DIGITAL VIDEO DISC PLAYER &
VIDEO CASSETTE RECORDER

DVP3200V/75

# User manual

*Thank you for choosing Philips.*

*Need help fast?*
*Read your Quick Start Guide and/or User Manual first for quick*
*tips that make using your Philips product more enjoyable.*
*If you have read your instructions and still need assistance,*
*you may access our online help at **www.philips.com/support***



# PHILIPS

# Introduction
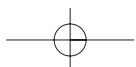
# General Information

Thank you for purchasing this Philips DVD/ VCR. This Owner's Manual explains the basic operation of this unit.

## Environmental Information

All unnecessary packaging has been omitted.
Packaging has been made easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet).
Your unit consists of materials which can be recycled and reused if disassembled by a specialised company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

## Supplied Accessories

• Remote control   • Batteries (two AAA size) for Remote control
• AV Cable  • RF Coaxial cable  • Owner's Manual
• Quick Start Guide  • Warranty Card

## Safety Information

• To reduce the risk of fire or electric shock, do not expose this device to rain or moisture.
• Before operating the unit, check that the operating voltage indicated on the typeplate (or the voltage indication beside the voltage selector) is identical with the voltage of your local power supply. If not, please consult your dealer.
• Place the unit on a flat, hard and stable surface.
• Do not place any combustible objects on the device (candles, etc.).
• There must be sufficient room in front of the unit for the disc tray to be opened.
• In cabinet, allow about 2.5cm (1inch) of free space all around the unit for adequate ventilation.
• Do not expose the unit to extreme of temperature or humidity.
• If the unit is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens of the disc unit inside the unit. Should this occur, the unit would not operate normally. Leave the unit on for about one hour with no disc in the unit until normal playback is possible.
• The mechanical parts of the set contain self-lubricating bearings and must not be oiled or lubricated.
• Never spill liquid of any kind on this unit. If liquid is spilled into the unit, consult qualified service engineer.
• Do not stand the unit up vertically. Install the unit in a horizontal and stable position.
• Be sure to remove the disc and unplug the AC power cord from the output before carrying the unit.
• **When the unit is switched to Standby mode, it is still consuming some power. To disconnect the system from the power supply completely, remove the AC power plug from the wall socket.**
• The mains plug shall remain readily operable.

> **Note:**
>
> This unit can be used only where the power supply is AC 230V-240V, 50Hz. It cannot be used elsewhere.

> **FOR YOUR SAFETY (in Australia):**
> **Install any external aerial to AS 1417.1**

## Notice for the progressive scan outputs

Consumers should note that not all high definition television sets are fully compatible with this product and may cause artifacts to be displayed in the picture.  In case of picture problems with 525 or 625 progressive scan output, it is recommended that the user switch the connection to the 'standard definition' output.  If there are questions regarding your TV set compatibility with this 525p or 625p DVD player, please contact our customer service centre.

The region code for this set is 4.

Since it is usual for DVD movies to be released at different times in different regions of the world, all players have region codes and discs can have an optional region code. If you load a disc of a different region code to your player, you will see the region code notice on the screen. The disc will not playback, and should be unloaded.

Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

## Copyright Notice

The making of unauthorised copies of copy-protected material, including computer programmes, files, broadcasts and sound recordings, may be an infringement of copyrights and constitute a criminal offence. This equipment should not be used for such purposes.

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

> For Customer Use:
>
> So that you can identify your machine for service questions or in the event of theft, enter the serial number here. The serial number (PROD. NO.) is printed on the type plate fixed at the back of the device.
>
> Model No. DVP3200V
> Serial No. _____

## Laser safety

This unit employs a laser. Due to possible eye injury, only a qualified service person should remove the cover or attempt to service this device.

**USE OF CONTROLS OR ADJUSTMENTS OR OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.**

| LASER | |
|---|---|
| Type | Semiconductor laser GaAIAs |
| Wave length | 655 nm (DVD) |
| | 790 nm (VCD/CD) |
| Output Power | 0.8 mW (DVD) |
| | 0.5 mW (VCD/CD) |

CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
KLASS 1 LASER APPARAT
CLASSE 1 PRODUIT LASER

**(WARNING LOCATION: ON THE BACKPLATE OF SET)**

## About the PBC Function of Video CD

• This unit conforms to ver.1.1 and ver.2.0 of VIDEO CD standard, with PBC function.
  Ver.1.1 (without PBC function): You can enjoy playback picture as well as music CD.
  Ver.2.0 (with PBC function): When using a VIDEO CD with PBC function, "Pbc" appears on the display.
• "PBC" stands for Play Back Control.
• Video CD with PBC function has its original menu. Menu operation may vary depending on the disc. Refer to the manual included in the disc for details.
• "Pbc" appears on the front panel display when a Video CD with PBC function is loaded.

# Contents

## Symbols Used in this Manual

The below symbols appear in some headings and notes with the following meanings:

| | |
|---|---|
| **DVD-V** | – Description refers to playback of DVD-video discs. |
| **VCD** | – Description refers to playback of Video CDs. |
| **CD** | – Description refers to playback of Audio CDs. |
| **MP3** | – Description refers to playback of MP3 files. |
| **Windows Media™ Audio** | – Description refers to playback of Windows Media™ Audio files. |
| **JPEG** | – Description refers to playback of JPEG files. |
| **DivX®** | – Description refers to playback formatted with DivX®. |

*Helpful Hints!*
- *Some DVD video discs require specific functions or allow only limited functions during playback.*
- *"⬚" may appears on the TV screen which means that the function is not available on that specific DVD video disc.*
- *Windows Media is a trademark of Microsoft Corporation.*
- *This unit is not compatible with Multiple Bit Rate (MBR: a file that contains the same content encoded at several different bit rates).*
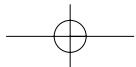
# Functional Overview

## Front Panel
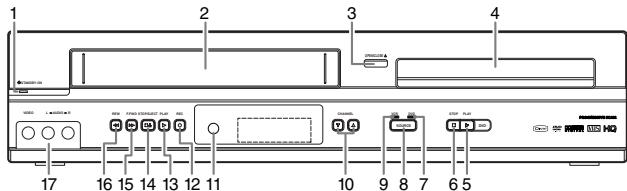


**1. STANDBY-ON ⏻ (DVD,VCR)**
To switch the unit ON or OFF.

**2. Cassette Compartment (VCR)**
Insert a tape here.

**3. OPEN/CLOSE ⏏ (DVD)**
To open/close the disc tray.

**4. Disc Tray (DVD)**
Insert a disc here.

**5. PLAY ▶ (DVD)**
To start, pause or resume disc playback.

**6. STOP ■ (DVD)**
To stop playback.

**7. DVD light (DVD)**
Light appears when the unit is in DVD mode.

**8. SOURCE (DVD,VCR)**
To select between DVD and VCR mode.

**9. VCR light (VCR)**
Light appears when the unit is in VCR mode.

**10. CHANNEL ▼▲ (VCR)**
To select a programme number on the TV.

**11. IR (Infrared) Remote Sensor (DVD,VCR)**
To receive signals from remote control.

**12. REC ● (VCR)**
Press once to start recording, repeatedly to start an One-Touch Recording.

**13. PLAY ▶ (VCR)**
To play a tape.

**14. STOP/EJECT ■⏏ (VCR)**
When playback is stopped, press to eject the tape.

**15. F.FWD ▶▶**
When tape playback is stopped, press to fast forward the tape at high speed.
During playback, press to fast forward the tape while the picture stays on the screen.

**16. REW ◀◀**
When tape playback is stopped, press to rewind the tape at high speed.
During playback, press to rewind the tape while the picture stays on the screen.

**17. AUDIO/VIDEO IN jacks**
To connect to AUDIO and VIDEO OUT of an external device.

## Display Message

| | |
|---|---|
| | Appears after the disc tray closes if the tray is empty, if there is an error reading the disc, or if an unacceptable disc is installed. |
| | Tray is opening or is open. |
| | Tray is closing. This also may appear as the unit tries to load a disc. |
| | Loading the disc. |
| | Lights up when the playback control is activated. |

## DVD



Lights up when the A-B repeat function is on.

Lights up when the repeat function is on.

Lights up when Progressive Scan is active.

Displays a type of the disc which is inserted on the tray.
• DVD : DVD, DivX® on DVD
• VCD : Video CD
• CD : Audio CD, MP3, Windows Media™ Audio, JPEG, DivX® on CD

Lights up when the inserted disc comes to a pause.

Lights up when the ALL repeat function is on. (Video CD, CD, MP3, Windows Media™ Audio, JPEG and DivX®)

Displays the elapsed time of the title or track.
The number of a new title, chapter, or track is displayed when a chapter or track is switched.

Lights up when the inserted disc is being played back.

Lights up when playing back in slow mode. (DVD, VCD and DivX®)

## VCR



Lights up when a tape is in the DVD/VCR.

Lights up when the timer recording or an OTR recording has been set.

Lights up during a recording. Flashes when a recording is paused.

Appears during playback when the Auto Repeat function is on.

Lights up when the playback is in still or slow mode.

Works as a tape counter (hour, minute, second). Also displays a channel number, tape speed, remaining time for OTR or current time.

Lights up when the inserted cassette is being played back.

# Functional Overview

## Rear Panel



1      2 3 4 5 6 7      8 9
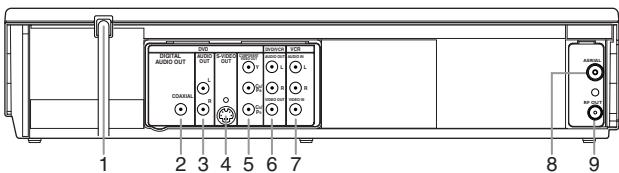
**1. AC Power Cord**
Connect to a standard AC outlet to supply power to the unit.

**2. DVD COAXIAL DIGITAL AUDIO OUT jack (black)**
Connect a coaxial digital audio cable (not supplied) here and to a Stereo's Coaxial Digital Audio in jack.
This supplies audio for the DVD player only.

**3. DVD AUDIO OUT jacks Left (white), Right (red)**
Connect the supplied audio cables here and to the Audio in jacks of a TV or Stereo.
These jacks supply audio for the DVD Player only.
Use these if you want a secondary connection between the DVD Player and another TV, etc.

**4. DVD S-VIDEO OUT jack**
Connect an S-Video cable (not supplied) here and to a TV's S-VIDEO in jack.
This supplies the picture for the DVD player only.

**5. DVD COMPONENT VIDEO OUT jacks (Y $C_B$/$P_B$ $C_R$/$P_R$) (green, blue, red)**
Connect component video cables (not supplied) here and to the Component Video in jacks of a TV.
This supplies the picture for the DVD player only.

**6. DVD/VCR AUDIO OUT and VIDEO OUT jacks (red, white, yellow)**
Connect the supplied audio and video cables here and to a TV's Audio and Video in jacks.
This supplies sound and picture for both the VCR and the DVD player.

**7. VCR AUDIO IN and VIDEO IN jacks**
Connect audio and video cables from a camcorder, VCR, etc., here.
This will be useful if you want to copy a video tape or watch material that is playing other equipment.

**8. AERIAL jack**
Connect to an antenna or cable.

**9. RF OUT jack**
Use supplied RF Coaxial cable to connect to the ANTENNA IN on your TV, cable box or Direct Broadcast System.

## Remote Control
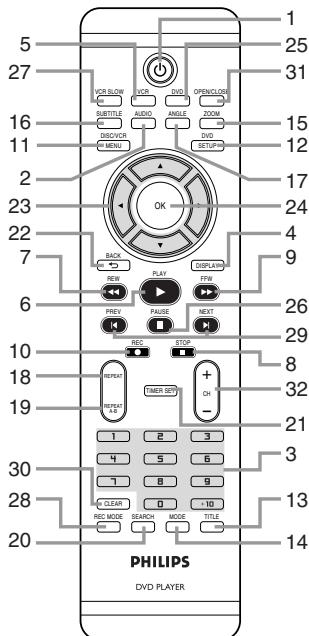


- For DVD player features, press DVD first.
- For VCR features, press VCR first.
- In VCR mode, PREV ⏮ works as CH -, and NEXT ⏭ works as CH +.
- In DVD mode, CH - works as PREV ⏮, and CH + works as NEXT ⏭.

**1. ⏻ (Standby-on)**
To switch DVD/ VCR ON or OFF.

**2. AUDIO**
To choose audio languages or sound modes (DVD).
To choose sound modes (VCR).

**3. 0-9 numerical key pads/+10**
To select numbered items in a menu.
Use +10 button to enter number 10 and above (DVD).
To select TV channels in VCR mode.

**4. DISPLAY**
To access or remove the display screen during playback (DVD).
To access or remove VCR's on-screen status display (VCR).

**5. VCR**
Press to put the DVD/ VCR in VCR mode and before using the remote control for VCR features.

**6. PLAY ▶**
To start disc playback (DVD).
To start tape playback (VCR).

**7. REW ◀◀**
To view DVD picture in fast reverse motion (DVD).
When tape playback is stopped, press to rewind the tape at high speed (VCR).
During playback, press to rewind the tape while the picture stays on the screen (VCR).

**8. STOP ■**
To stop disc playback (DVD).
To stop playback, recording (VCR).

**9. FFW ▶▶**
To view DVD picture in fast forward motion (DVD).
When tape playback is stopped, press to fast forward the tape at high speed (VCR).
During playback, press to fast forward the tape while the picture stays on the screen (VCR).

**10. REC ●**
To record the TV channel selected at this moment or press repeatedly to start a One-Touch Recording (VCR).

**11. DISC/VCR MENU**
To display the menu of the DVD disc or to access VCR menu.

**12. DVD SETUP**
Press to access or remove the player's setup menu (DVD).

**13. TITLE**
To display title menu of a disc (DVD).

**14. MODE**
To set up programmed or random playback (DVD).

**15. ZOOM**
To enlarge part of image (DVD).

**16. SUBTITLE**
Subtitle language DVD selector (DVD).

**17. ANGLE**
To select DVD camera angle or rotate a picture of JPEG file (DVD).

**18. REPEAT**
To repeat chapter, track, title, group, disc (DVD).

**19. REPEAT A-B**
To repeat a specific segment (DVD).

**20. SEARCH**
To access or remove search display (DVD).
Press to call up the index or time search menu (VCR).

**21. TIMER SET**
To put the DVD/ VCR into standby mode for a timer recording (VCR).

**22. BACK ↰**
To return to the previous screen, or to remove the setup menu (DVD).

**23. ▲/▼/◀/▶ (up/down/left/right)**
To select an item in the menu.

**24. OK**
To acknowledge menu selection (DVD).

**25. DVD**
Press to put the DVD/ VCR in DVD mode and before using the remote control for DVD features.

**26. PAUSE ❙❙**
To pause playback temporarily / frame-by-frame playback (DVD).
To pause playback and during recording temporarily (VCR).

**27. VCR SLOW**
To view tape playback in slow motion (VCR).

**28. REC MODE**
To change the recording speed (SP or LP) (VCR).

**29. NEXT ⏭/PREV ⏮**
To skip chapter/tracks (DVD).
To cancel the point for repeat A-B (DVD).

**30. CLEAR**
To reset the setting (DVD).
To reset the counter (VCR).

**31. OPEN/CLOSE**
To insert discs into or remove them from the tray (DVD).
To remove the tape from the VCR (VCR).

**32. CH +/CH -**
To change TV channels (VCR).
To adjust the tracking manually during playback (VCR).

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# Setting Up your DVD/VCR

## Basic Connections

- Please refer to the instruction books of your TV, VCR, Stereo System or other devices as necessary to make the best connections.
- Make one of the following connections, depending on the capabilities of your existing equipment.

**CAUTION:**
- Be sure to turn off the VCR/DVD and equipment to be connected before connecting.
- Read through the operation manual for the equipment to be connected.
- Be sure to keep the VCR/DVD connection cables separate from the TV antenna cable when you install the VCR/DVD, because it may cause electrical interference when you are watching television programmes.

## Basic TV Connection

from Antenna

To RF OUT jack

RF coaxial cable (supplied)

To AERIAL jack

(TV)
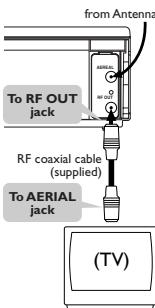
**CAUTION:**
- Connect the VCR/DVD directly to the TV. Do not connect the VCR/DVD to a VCR, then connect the VCR to the TV. Copyright protection in the VCR could distort the picture playing on the VCR/DVD.

VCR/DVD

VCR

TV

## Connecting to a TV

TV

**Basic Audio**

AUDIO IN

Audio cable (supplied)

DVD/VCR

**or**

(Analog) AUDIO OUT

**DVD only**

### Method 1

**Good picture**

VIDEO IN

Video cable (supplied)

VIDEO OUT

### Method 2

**DVD only**

**Better picture**

S-VIDEO IN

S-Video cable (commercially available)

S-VIDEO OUT

### Method 3

**DVD only**

**Best picture**

COMPONENT VIDEO IN

**or**

Component Video cable (commercially available)

COMPONENT VIDEO OUT
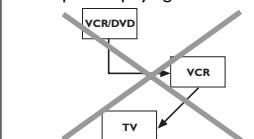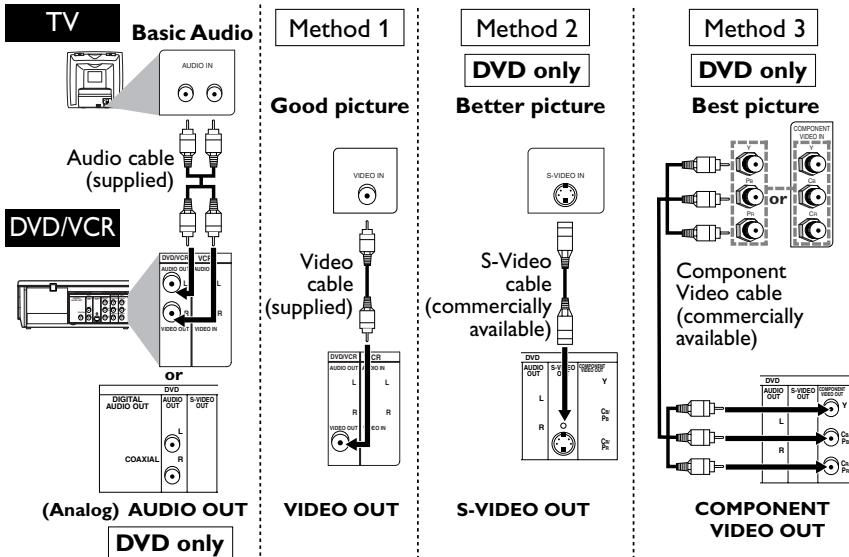
- When the VCR/DVD is connected to a TV using both a VIDEO cable and an S-VIDEO cable, only the S-VIDEO connection is enabled (the VIDEO connection is disabled).
- You will not be able to hear all of the sound being output by the VCR/DVD if you use the VIDEO/AUDIO cable (supplied) to a monaural TV that has only one AUDIO input jack.

*Notes:*
- *Be sure that the colours of the jacks and plugs match up when connecting the cable.*
- *Connect the VCR/DVD directly to the TV. If you attempt to view video on a TV connected via a VCR, the copy protection function will scramble the picture.*
- *If you want to listen to the audio through audio equipment, connect only the S-VIDEO or VIDEO cable to the TV.*

## Connecting to Audio Equipment

Connecting the VCR/DVD to audio equipment provides normal stereo sound, plus powerful stereo sound enhanced by Dolby Digital multi channel surround sound and MPEG Audio.
- Digital connection is not possible if the processor or amplifier to which you want to connect does not have an coaxial digital input jack.

### ■ Analogue audio connection

DVD/VCR

To AUDIO OUT jacks

(White)

(Red)

Audio cable (supplied)

To amplifier audio input jacks

Amplifier of stereo system, etc.

ANALOG INPUT

(White)

(Red)

**Jack and Plug Colours**
Audio Left: White
Audio Right: Red
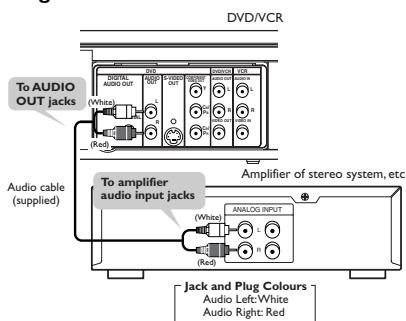
### ■ Digital audio connection

You can make this connection using a coaxial digital cable.
Connecting an amplifier with a Dolby Digital/ MPEG Audio digital surround processor to your VCR/DVD's coaxial digital jack provides richer and more powerful audio play.

DVD/VCR

To COAXIAL DIGITAL OUT jack

Coaxial digital cable (commercially available)

Dolby Digital (multi ch)/ MPEG Audio processor or amplifier

DIGITAL IN

COAXIAL

To COAXIAL DIGITAL input jack
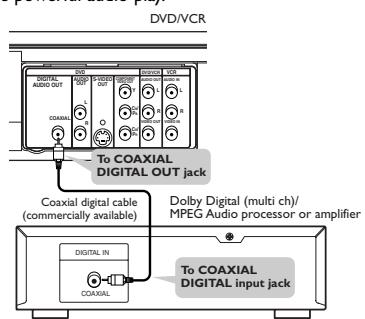
### Digital Connection to an MD to Record a CD

Some Audio CDs have a short silent section between musical tracks. When sound from discs such as these is digitally recorded by connecting the VCR/DVD directly to a digital recorder (such as an MD recorder), the music may be recorded continuously and track numbers may be lost.

### ■ Digital Connection to Audio Equipment or MD Recorder without a Dolby Digital Decoder

- Audio CD
  Audio CDs can be transferred digitally to other equipment such as an MD recorder, play the disc as you would normally with the audio mode set to "L+R" and use the connection shown above.
- DVD
  DVDs recorded in Dolby Digital multi channel surround sound or MPEG Audio cannot be connected digitally to external recording equipment such as an MD recorder. The audio source on a disc in a Dolby Digital multi channel surround format cannot be recorded as digital sound by an MD recorder. It may be possible to record Dolby Digital or MPEG Audio via a digital connection if the VCR/DVD output is set to "OFF" for "DOLBY DIGITAL" or "MPEG" (see page 18 "Audio Settings").

# Setting Up your DVD/VCR

## Other Connections

### AV1 (IN), AV2 (IN) CONNECTION FOR OTHER EXTERNAL DEVICES

These jacks are designated for other external devices such as another VCR, video game player, and video camera.

### EXTERNAL INPUT MODE

To receive the signal from an external input (video camera, another VCR etc.), connect to the VCR AUDIO IN and VIDEO IN jacks on the rear panel, and press CH + or CH -, or enter "001" with the numerical key pads to show "AV1" on the TV screen.

If you use the AUDIO/VIDEO IN jacks on the front panel, press CH + or CH -, or enter "002" with the numerical key pads to show "AV2" on the TV screen.

## Selecting Progressive Scan (625p <576p> or Interlaced 625i <576i>) Playback

• If your TV is compatible with progressive scanning (625p <576p>), connect the TV to the Component Video jacks of the DVD player and set Progressive (PROG. SCAN) to "ON" in the display setting. Next, set your TV to the progressive scan mode. (Refer to "Display Setting".)
• If your TV is not compatible with progressive scan, set Progressive to "OFF" or press PLAY ▶ for 5 seconds on the front panel.
• Use a commercially available adaptor if the video input jacks of your TVs or monitors are the BNC type.

## Inserting batteries into the Remote Control

1  Open the battery cover.
2  Insert batteries (AAA size) with the correct polarity as indicated by the + and - symbols inside the battery compartment.
3  Close the cover.
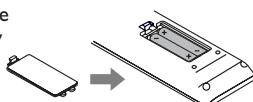
*CAUTION!*
*– Remove batteries if they are exhausted or not to be used for a long time.*
*– Do not use old and new or different types of batteries in combination.*
*– Batteries contain chemical substances, so they should be disposed off properly and kept away from children.*

## Using the Remote Control

• Direct the remote control at the remote sensor of the DVD/VCR.
• Do not drop the remote control.
• Do not leave the remote control near extremely hot or humid place.
• Do not spill water or put anything wet on the remote control.

## Playable Video Cassette Tapes

Philips Consumer Electronics recommends that only video cassette tapes that have the VHS mark and High Quality (HQ) system is compatible with this unit. This unit has an Automatic Head Cleaner.

### Recording Prevention

Video cassette tapes have record tabs to ensure recordings are not erased accidentally.
1  To prevent recording, break off the tab with a screw-driver.
2  To allow recording, cover the hole with cellophane tape.
*Notes:*
*– Use only tapes with VHS mark.*
*– Remove any adhesive stick-on notes from the tape before inserting into the unit.*
*– Periodic maintenance is required to maintain the performance of your unit.*
*– Video heads will require replacement after a period of time. Only an authorised service center should perform this service.*
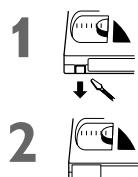
## Video Channel Setting

Video channel setting will be necessary, if the unit is connected to the TV via the RF coaxial cable.
• Use the remote control for this procedure.
1  Insert a pre-recorded tape into the unit.
  • The unit will turn on and start playback automatically. If playback does not start, press PLAY ▶.
2  Select and adjust your TV to channel 38.
  • If the playback picture appears on the TV screen, continue with step **8**.
  • If channel 38 is employed for broadcasting, or interference lines appear on the picture, the RF converter must be set to a different channel between CH28 and CH69. Continue with step **3**.
3  Press DISC/VCR MENU.
4  Press ▲/▼ to select "INITIAL", then press ▶.
5  Press ▲/▼ to select "RF OUT", then press ▶.
  • The RF OUT CH menu will appear.
6  Press ▲/▼ to select a channel between CH28 and CH69 which is not used for broadcasts in your area, then press ▶.

> ▶ RF OUT CH 38

7  Press DISC/VCR MENU to exit.
  • Set the TV channel to the RF OUT CHANNEL which was selected on the unit.
    A picture from the unit will appear on the TV screen.
    If a picture does not appear, repeat steps **3** to **7** using a different channel which is not used for broadcasts.
8  Press STOP ■ to stop the tape.
*Notes:*
*– You may also access the RF OUT CH menu by pressing and holding DISC/VCR MENU on the remote control for 3 seconds during power off until the RF OUT CH menu appears.*
*– If the unit and your TV are connected using A/V cables (see page 6), there is no need to have the RF converter operating so it can be switched off and avoid the possibility of interference. To switch off the RF converter, select channel 28 at step 6, and then press ▼ so that "- -" appears next to "RF OUT CH" on the TV screen, then press ▶ and finally press DISC/VCR MENU to finish.*

## Tuning

Tuning of broadcast channels not already preset in the unit can be performed in two ways.
*Note:*
*– It is necessary to set the video channel if the unit is connected to the TV via the coaxial cable, and TV channel 38 is employed for broadcasting, or interference lines appear on the picture. Please refer to "Video Channel Setting".*

### Automatic Channel Setup

• By "AUTOMATICALLY" tuning channels and placing them in sequential order in the memory i.e. the first channel found will be memorised into the channel position 1, the second channel found will be memorised into the channel position 2 and so on.
• Execution of the "Automatic" tuning cancels all the preset channels. DO NOT use this feature if you intend to use some of the pre-tuned channels. Use the "Manual" tuning function to tune in the additional channels you require.

### Manual Channel Setup

• Each channel is tuned manually and individually. Follow the steps laid out in the "Manual Channel Setup" section.

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# Setting Up your DVD/VCR

## Automatic Channel Setup

You can programme the tuner to scan only the channels that you can receive in your area.
• Use the remote control for this procedure.
1  Turn on the TV and select the TV channel to the video channel on the TV.
2  Press VCR, then DISC/VCR MENU.
3  Press ▲/▼ to select "INITIAL", then press ▶.
4  Press ▲/▼ to select "CH TUNING", then press ▶.
5  Press ▲/▼ to select "AUTO", then press ▶.
   • The tuner scans and memorises all the active channels in your area. After scanning, the tuner stops on the lowest memorised channel.

```
CH TUNING

▶ AUTO
  MANUAL
```
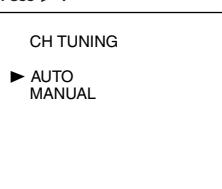
### To Select a Desired Channel

You can select a desired channel by using the CH + or CH -, or directly pressing the numerical key pads on the remote control.
• Enter a channel numbers as a two-digit number for the quickest results. For example, to select channel 6, press 0 and 6. If you only press 6, channel 6 will be selected after a brief delay.
• You can only select channels 1-99.

## Manual Channel Setup

• Use the remote control for this procedure.
1  Press VCR, then DISC/VCR MENU.
2  Press ▲/▼ to select "INITIAL", then press ▶.
3  Press ▲/▼ to select "CH TUNING", then press ▶.
4  Press ▲/▼ to select "MANUAL", then press ▶.
5  Press ▲/▼ to select "POSITION", then press ▶.
   • When a weak signal is received in Manual Tuning mode, you can change the background to solid blue or the static screen by pressing CLEAR.
6  Use numerical key pads or ▲/▼ to select your desired position number, then press ▶.
   • You can select position number 01-99.
   • If "ON" appears on the right side of "SKIP", press ▲/▼ to point to "SKIP". Then press ▶ to select "OFF".
   • Press ▲/▼ to select "BAND", then press ▶ repeatedly until the desired BAND is indicated.
7  Press ▲/▼ to select "▯▯▯▯▯▯▯▯▯", then press ◀ / ▶ to start scanning.
   • The unit's tuner will begin to search up or down automatically. When a channel is found, it will stop searching and the picture will appear on the TV Screen.

```
MANUAL

▶ POSITION    P08
  ▯▯▯▯▯▯▯▯▯▯▯
  BAND        [UHF]
  SKIP        [OFF]
```

| Tuner channel | |
|---|---|
| VHF L: | 45.75~138.25MHz |
| VHF H: | 140.25~423.25MHz |
| UHF: | 427.25~855.25MHz |
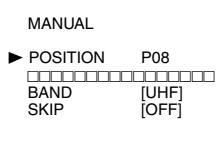
8  Press DISC/VCR MENU to exit.
   *Note:*
   – *To select any existing channels (including the ones deleted), use numerical key pads. To flip through only the memorized channels, use CH + or CH -.*

## To Skip a Preset Channel

The channels you can no longer receive or seldom watch can be set to be skipped when you access channels CH + or CH -.
• Use the remote control for this procedure.
1  Press VCR, then DISC/VCR MENU.
2  Press ▲/▼ to select "INITIAL", then press ▶.
3  Press ▲/▼ to select "CH TUNING", then press ▶.
4  Press ▲/▼ to select "MANUAL", then press ▶.
5  Press ▲/▼ to select "SKIP", then press ▶.
6  Use numerical key pads or ▲/▼ to select relevant position number, then press ▶.
7  Press ▲/▼ to select "SKIP", then press ▶ to select "ON".
   • To memorise the channel again, press ▶. "ON" will change to "OFF".
8  Press DISC/VCR MENU to exit.

```
MANUAL

POSITION      P08
▯▯▯▯▯▯▯▯▯▯▯
BAND          [UHF]
▶ SKIP        [OFF]
```

   *Note:*
   – *To confirm that a channel has been deleted, press CH + or CH -.*

## Setting the clock

If the display shows an incorrect time or " --:-- ", the time and date must be reset manually.
• This unit incorporates a 24-hour clock. The clock must be set for the Automatic Timer Recording function to operate correctly.
1  Press VCR, then DISC/VCR MENU.
2  Press ▲/▼ to select "INITIAL", then press ▶.
3  Press ▲/▼ to select "CLOCK", then press ▶.
4  Press ▲/▼ until the relevant year appears, then press ▶.
5  Likewise, set the relevant month, day, hour and minute.
6  Press DISC/VCR MENU to start the clock.

```
CLOCK

▶ YEAR       2 0 0 6
  MONTH      0 1
  DAY        0 1   SU
  HOUR       _ _
  MINUTE     _ _
```
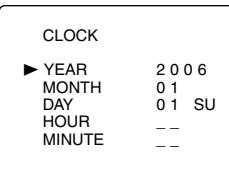
   *Notes:*
   – *In the steps 4 and 5, you can go back to the item you want to correct by pressing ◀ .*
   – *Although seconds are not displayed, they begin counting from 00 when you exit by pressing DISC/VCR MENU. Use this feature to synchronise the clock with the correct time.*
   – *When unplugging the power-cord or if there is a power failure for more than 1 minute, you may have to reset the clock.*

## Picture Select

This function enables you to select the picture quality of a tape.
• Use the remote control for this procedure.
1  Press VCR, then DISC/VCR MENU.
2  Press ▲/▼ to select "SET UP", then press ▶.
3  Press ▲/▼ to select "PICTURE", then press ▶.
4  Press ▶ repeatedly until the desired mode (NORMAL, SOFT or SHARP) is indicated on the TV screen.

```
MENU

  TIMER
▶ SET UP
  INITIAL
```
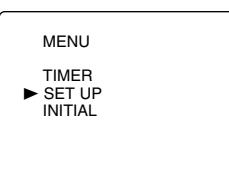
   *Notes:*
   – *If the On screen menu still remains, press DISC/VCR MENU to exit the menu.*
   – *Once you select the Picture Select mode, it stays in effect even after you turn off the unit.*
   – *When you use this function during playback, you can select a mode (NORMAL, SOFT or SHARP) as you watch video image.*

```
SET UP

  AUTO REPEAT  [ON]
▶ PICTURE  [NORMAL]
```
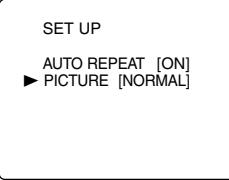
## Playing back video cassettes

You can operate the DVD/VCR using the remote control or the buttons on the front panel.
If you use PLAY ▶, REW ◀◀, or F.FWD ▶▶ on the front panel while a cassette is in the cassette compartment and the unit is in standby, the power will be turned on and the corresponding operation will be performed automatically.
This unit can only record and playback standard VHS cassettes.

1  Put a cassette into the cassette slot. The cassette is inserted automatically.
   • If a cassette is in the unit, STOP symbol appears in TV screen when turning on the unit (VCR mode).
2  Press PLAY ▶ to view the tape.
   • If the safety tab has been removed, the unit will start playback automatically.
3  To stop the playback, press STOP ■ or STOP/EJECT ■▲ on the front panel.
4  To eject the cassette, press OPEN/CLOSE or STOP/EJECT ■▲ on the front panel when the unit stops the playback.

**Do I need to change the playback speed when playing back LP recordings?**
During playback, the correct speed will automatically be selected. For more information, please read the section **Selecting the recording speed (SP or LP)** in the chapter **VCR Manual Recording**.

## Playing back NTSC cassettes

This unit can also playback cassettes that have been recorded in SP [Standard Play] or SLP [Super Long Play] mode in the NTSC standard (for example, American cassettes). However, this only works on PAL-television sets that are suitable for a picture frequency of 60Hz.

## Displaying current status

**To check the Counter, or Clock & Channel number,** press DISPLAY. Each time you press the DISPLAY, TV screen will change as illustrated:

OFF mode → COUNTER mode

Press once.

SP

0:12:34

Press once.

CLOCK and CHANNEL NUMBER mode

SP   17:40
     P02

Press once.
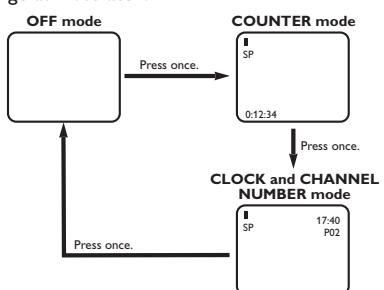
*Note:*
*– If the on-screen display or indicators on the front panel show an abnormal reading or no reading, unplug this unit for 1 minute, then plug it again. Please note that clock and timer settings will be cleared after a disconnection.*

**How can I set the counter to "0:00:00"?**
You can set the counter to "0:00:00" with CLEAR.
When you put a cassette in the unit, the counter will automatically reset to "0:00:00".

## Searching for a tape position with picture (scanning)

If you want to skip or repeat a scene during playback, press REW ◀◀ or FFW ▶▶.
• Press PLAY ▶ to return to normal playback.

## Still picture / slow motion

You can freeze the picture on TV screen by pressing PAUSE ‖ during playback.
• You can advance the picture one frame at a time by pressing PAUSE ‖ during the Still mode.
• When the picture begins to vibrate vertically, stabilize the picture by pressing CH + or CH - in the STILL mode.
• You can watch in the slow motion by pressing VCR SLOW during playback or the still mode. (The unit mutes the sound during slow motion. You can control the speed by pressing REW ◀◀ or FFW ▶▶.)
• If a noise bar appears on the TV screen, you can reduce it by pressing CH + or CH -.
• After the VCR has been in Still/Slow mode for 5 minutes, it will stop automatically to protect the tape and the video head from damage.
• To return to normal playback, press PLAY ▶.

## Index search

• The index mark will be made automatically when REC ● is pressed. It will also be marked at the starting point of Timer recording and OTR.
• The index mark is not recorded if the PAUSE ‖ is pressed and released during recording.
• The time gap between index marks on the tape should be greater than 1 minute for SP recording and 2 minutes for LP recording.
• Use the remote control for this procedure.

1  Press VCR, then SEARCH so that the Index Search menu appears.
2  Enter the number of recordings you wish to skip by pressing ▲/▼ within 30 seconds.

INDEX  03

3  Press ◀ / ▶ to start index search. The unit begins rewinding or fast forwarding to the beginning of desired programme.
   When the indicated programme is reached, the unit will start playback automatically.
   • If you want to go in the forward direction, press ▶.
   • If you want to go in the reverse direction, press ◀.
   • If you want to stop search function, press STOP ■.
   *Notes:*
   *– Index Search can be set up to 20.*
   *– This function will not operate in the Recording mode.*
   *– Operations must be followed up within 30 seconds, from step 2 to 3. Otherwise the Index Search mode will be cancelled.*
   *– To exit the Index Search mode, press the DISC/VCR MENU at step 2.*
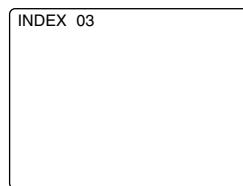
# VCR Playback

## Time search

This feature allows you to go to a specific point on a tape by entering the exact amount of time you wish to skip in order to reach the point.
- If a tape includes both programmes recorded in the PAL system and ones recorded in the NTSC system, this function may not be operated correctly.
- Use the remote control for this procedure.

1  Press VCR, then press SEARCH twice so that the Time Search menu appears.
2  Enter your desired time to skip by pressing ▲/▼ within 30 seconds.
3  Press ◀ / ▶ to start time search. The unit begins rewinding or fast forwarding to the specified point. When 0:00 is reached, the unit will start playback automatically.

```
TIME  2 : 50
```

- If you want to go in the forward direction, press ▶.
- If you want to go in the reverse direction, press ◀.
- If you want to stop search function, press STOP ■.

*Notes:*
*– Time search can be set up to 9 hours 59 minutes (9:59).*
*– This function will not operate in the Recording mode.*
*– Operations must be followed up within 30 seconds, from step 2 to 3. Otherwise the Time Search mode will be cancelled.*
*– To exit the Time Search mode, press DISC/VCR MENU at step 2.*

## Video Cassette Tape

This unit will operate with any cassette that bears the VHS mark. For best results, we recommend the use of high-quality tapes. Do not use poor quality or damaged tapes.
- You can prevent accidental erasing of a recording by breaking off the erase prevention tab on the back edge of the cassette.
- If you decide to record on the tape again, cover the hole with plastic tape.
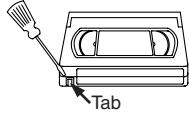
Tab

## Manual Tracking

- Tracking adjustment will be done automatically when you start playback.

To manually adjust the tracking during playback and slow motion playback, press CH + or CH -, or CHANNEL ▲/▼ on the front panel.
Tracking will return to Automatic Tracking Adjustment when you press STOP ■, insert a tape, or press PLAY ▶.
To remove vertical jitter in a Still picture, press CH + or CH -, or CHANNEL ▲/▼ on the front panel.

## Auto Repeat Playback

This feature allows you to play a tape over and over.
You can set this feature either during playback or during stop.

1  Press VCR, then DISC/VCR MENU.
2  Press ▲/▼ to select "SET UP", then press ▶.
3  Press ▲/▼ to select "AUTO REPEAT", then press ▶ to select "ON".
   - "REPEAT" appears in the front panel display and the auto repeat playback begins automatically.
4  Press DISC/VCR MENU to exit.

```
MENU

   TIMER
► SET UP
   INITIAL
```

```
SET UP

► AUTO REPEAT   [ON]
   PICTURE   [NORMAL]
```
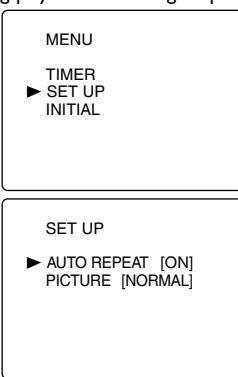
*Notes:*
*– To cancel the Auto repeat, press ▶ at step 3 so that "ON" switches to "OFF".*
*– Once you set the Auto Repeat, it stays in effect even after you turn off the unit.*

# VCR Manual Recording

## Selecting the recording speed (SP or LP)

LP allows to double the recording duration on tape.
Before recording, press REC MODE to select the tape speed : SP mode (Standard Play) or LP mode (Long Play).
The table below shows the maximum recording/ playback time using E-60, E-120, E-180 or E-240 tapes in each mode.
- In LP mode, the picture quality is reduced somewhat.

| Type of tape | Recording/Playback Time | |
|---|---|---|
| Tape Speed | SP Mode | LP Mode |
| E-60 | 1 hour | 2 hours |
| E-120 | 2 hours | 4 hours |
| E-180 | 3 hours | 6 hours |
| E-240 | 4 hours | 8 hours |

## Normal Recording

1  Insert a cassette tape with its erase prevention tab in place. Press VCR.
   (If necessary, rewind or fast forward the tape to the point at which you want to begin recording.)
2  Press the numerical key pads or CH + or CH - to select the channel to be recorded.
3  Press REC MODE to select the tape speed (SP/LP).
4  Press REC ● to begin recording.
   - "REC" appears in the front panel display.
   - To temporarily stop recording or to resume it, press PAUSE ❚❚. After the VCR has been in Pause mode for 5 minutes, it will stop automatically to protect the tape and the video head from damage.
5  Press STOP ■ when recording is completed.

*Note:*
*– When you wish to watch another programme while recording, select desired channel on your TV.*

## OTR (One Touch Recording)

This function enables you to set a recording length simply by pressing REC ●.
1  Follow steps 1 to 3 in Normal Recording section.
2  Press REC ● repeatedly until the desired recording length appears in the upper left corner of the TV screen.

● ⟶ ● 0:30 ⟶ ● 1:00.... ⟶ ● 7:30 ⟶ ● 8:00
⟵ Normal recording ⟵

- Recording stops when 0:00 is reached.
**To check time remaining during an OTR**
Press DISPLAY.
**To change the recording length during an OTR**
Press REC ● repeatedly until the desired length appears.
**To stop an OTR before recording is finished**
Press STOP ■.
**To cancel the OTR but continue recording**
Press REC ● repeatedly until "●" appears without the recording length in the upper left corner of the TV screen.
- If a tape ends during OTR, the VCR will stop, eject the tape, and switch to the DVD mode automatically as '⌚' blinks. (If the DVD power is off, the VCR will become STANDBY status).
- When OTR is finished, the VCR turns off automatically.

To use the VCR again, press TIMER SET on the remote control, or STOP/EJECT ■▲ on the front panel.

10

# VCR Manual Recording

## Lining up recordings (assemble cut)

When you add a further recording to a cassette, which already has a recording on it, a short blank (flicker) can appear between the old and the new recording or the picture itself can flicker. To help reduce these from occurring, proceed as follows:

1 Find the tape position of the old recording where you want to insert the new recording.
2 Look at the last minute of the old recording (playback).
3 Press PAUSE ❙❙ at the tape position where the new recording is to go and press REC ●.
4 Now start recording as usual by pressing REC ● on the remote control.
5 Stop recording with STOP ■.

## Copying a video tape

You can make copies of video cassettes made by friends or relatives for your own enjoyment.

**WARNING:**
**Unauthorized recordings of copyrighted video cassettes may be an infringement of copyright laws.**

Connect the recording DVD/ VCR (this unit/Recording Unit) and the playback video recorder (another video recorder/ Playing Unit) by using VCR AUDIO IN/ VIDEO IN jacks on the back or front AUDIO/ VIDEO IN jacks.

1 Insert a pre-recorded video cassette into the playing unit.
2 Insert a blank video cassette, or one you want to record over, into the cassette compartment of this unit.
3 Press the numerical key pads "001" or "002".

• 001 : If you use VCR AUDIO IN/ VIDEO IN jacks on the back.
• 002 : If you use front AUDIO/ VIDEO IN jacks.

---

4 Press REC MODE to select SP or LP at this unit.
5 Press REC ● on the front panel of this unit.
6 Begin playback of the tape at the playing unit.
7 To stop recording, press STOP ■ on this unit, then stop playback of the tape at the playing unit.

• For the best results during dubbing, use the DVD/ VCR's front panel controls whenever possible. The remote control might affect the playback video recorder's operation.
• If video or colour fades in and out, you may be copying a copy guarded video tape.

## Recording from DVD to VCR

Follow the steps below to copy a DVD or video disc to a videotape. This will be possible only if the DVD is not copy protected.

1 Put a videotape in the cassette compartment. Make sure the tape's record tab is intact and the tape is long enough to record the disc.
2 Put the DVD you want to copy in the disc tray.
3 Press VCR.
4 Point the remote control at the DVD/ VCR. Press numerical key pads "003". "DISC" will appear on the TV screen.
5 Select the recording speed.
   Details are at "Selecting the recording speed (SP or LP)".
6 Press REC ● to start recording. REC will appear on the display panel.
7 Press DVD. Press PLAY ▶ to play the disc.
8 To pause the recording, press VCR, then press PAUSE ❙❙ once. REC will flash. To resume recording, press REC ● or press PAUSE ❙❙ again. REC will reappear.
9 To stop recording, press VCR, then press STOP ■.

# Programming a Recording (TIMER)

## General information

Use a TIMER programming to automatically start and stop a recording at a later time or date. The DVD/ VCR will switch to the right programme number and begin recording at the correct time. With this unit, you can pre-programme up to eight recordings within a period of one year. To make a programmed recording, your DVD/ VCR needs to know:
* the date you want to make the recording
* the programme number of the TV channel
* the start and stop time of the recording
This information is saved in a TIMER block.

## Programming a recording

• Use the remote control for this procedure.
• Insert a cassette tape with its erase prevention tab in place. (If necessary, rewind or fast forward the tape to the point at which you want to begin recording.)
1 Press VCR, then DISC/VCR MENU.
2 Press ▲/▼ to select "TIMER", then press ▶.
   *Notes:*
   *If you have not set the clock yet, "CLOCK" setting menu appears. If so, follow the steps outlined in the "Setting the Clock" section. Then, set the timer.*
   *– When you press ▶ after pressing ▲/▼ during steps 3 to 10, the input mode will move to the next step.*
   *– If you do not press ▶ within 5 seconds of setting an item, the input mode will move to the next step.*
   *– Press ◀ to go back one step from the current setting during steps 4 to 9. If ◀ is pressed when the TIMER NUMBER is flashing, the entire timer block will be erased.*
3 Programme number flashes. Press ▲/▼ repeatedly until the desired timer block number appears. Then, press ▶.

4 Select once, daily, everyday, or weekly recording.
   **For once-only recording :** Press ▲/▼ repeatedly until the relevant month appears. Then, press ▶.
   **For daily recording :** To record a TV programme at the same time on the same channel from Monday through Friday. While the month digit is flashing, press ▲/▼ repeatedly to select "MO-FR". Then, press ▶.
   **For everyday recording :** To record a TV programme at the same time on the same channel every day. While the month digit is flashing, press ▲/▼ repeatedly to select "MO-SU". Then, press ▶.
   **For weekly recording :** To record a TV programme at the same time on the same channel every week. While the month digit is flashing, press ▲/▼ repeatedly to select "W-MO" (Example: every Monday). Then, press ▶.

```
► TIMER NUMBER    1
  DATE          – – / – –
  START         – – : – –
  END           – – : – –
  CHANNEL       – –
  SPEED         – –
```

5 **For once-only recording only :** Press ▲/▼ repeatedly until your desired date appears. Then, press ▶.
6 Press ▲/▼ repeatedly until the relevant start hour appears. Next, enter the minute digit. Then, press ▶.
7 Press ▲/▼ repeatedly until the relevant end hour appears. Next, enter the minute digit. Then, press ▶.
8 Press ▲/▼ repeatedly until the relevant channel number appears. Then, press ▶.
9 Press ▲/▼ repeatedly until your the desired tape speed appears. You must select the recording speed to complete the timer programming.
10 Press ▶.
   Timer block 1 is now completed.
   To set another timer block, repeat steps 3 to 10.
11 Press DISC/VCR MENU to remove the menu.
12 Press TIMER SET to activate the timer.
   • If the DVD component is on, the unit will switch to the DVD mode when you press TIMER SET.
   • If the DVD component is not on, the unit stays in the VCR mode and '🕙' will appear on the front panel display.

11
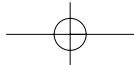
# Programming a Recording (TIMER)

## How to check, correct or delete a programmed recording (TIMER)

1 Press TIMER SET.
   • If the unit's power is off, press ⏻ instead of TIMER SET, then go to the next step.
2 Repeat steps **1** to **3** in the "Programming a Recording" section.
3 Select the timer block number you want to check by pressing ▲/▼.
   • The details of the selected timer block appears on the TV screen.
   • Press ► and then go to the digit you want to change by pressing ◄ / ►. Then, enter correct numbers by pressing ▲/▼.
   • You may cancel the entire programme by pressing ◄ while the timer block number flashes.
4 Press DISC/VCR MENU to exit.
5 Press TIMER SET to return to timer standby mode.

## Hint for Timer Recording

• If there is a power failure or the unit is unplugged for more than 1 minute, the clock setting and all timer settings will be lost.
• If a tape ends during timer recording, the unit will stop, eject the tape, and switch to the DVD mode automatically as '🕐' flashes. (If the DVD power is off, the unit will become the STANDBY status.)
• If a tape is not in the unit or does not have a record tab, '🕐' flashes and timer recording will not operate. Please insert a recordable tape.

• When timer recordings are set, '🕐' will come on. To use the unit as usual until the time for the recording, press TIMER SET so that '🕐' disappears. Press VCR to choose VCR mode, then continue with the other features as described in this manual.

*Note:*
  - *When all the programmed recordings are finished, '🕐' will flash (or be lit when there are more recordings left). To use the unit, release it from the timer standby mode by pressing TIMER SET on the remote control or STOP/EJECT ■▲ on the front panel.*

**How to use the DVD player during a VCR timer recording or while '🕐' is on or flashes.**
   • You can use the DVD player while '🕐' is on or flashes, or during a timer recording. Press ⏻ to turn on the DVD player. Press DVD on the remote control to choose DVD mode, then continue with the other DVD features as described in this manual. You don't have to set the TIMER off to use the DVD only.

**How to stop timer programme already started**
   • Press STOP/EJECT ■▲ on the front panel.

**To avoid overlap of timer programmes**
   • A timer programme will not work whilst another programme is under execution.

| | |
|---|---|
| Programme 1 | |
| Programme 2 | |
| Programme 3 | |
| 9:00   10:00   11:00 | |
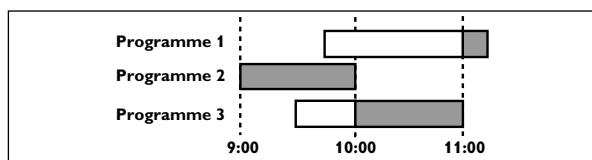
# Other Functions

## Selecting the sound channel

This unit will record and playback Hi-Fi stereo sound. In addition it has a NICAM/A2 stereo sound decoder.
This equipment will receive stereo and bilingual broadcasts and there are several ways of recording and playing back the sound. You can select each mode by pressing AUDIO on the remote control. Each mode is indicated on the TV screen as following.

**• Reception of stereo broadcasts:**

| Mode | AUDIO OUTPUT | | Display on the TV screen |
|---|---|---|---|
| Stereo | L | L Audio | STEREO |
| | R | R Audio | |
| L | L | L Audio | LEFT |
| | R | L Audio | |
| R | L | R Audio | RIGHT |
| | R | R Audio | |
| Monaural | L | L+R Audio | NONE |
| | R | L+R Audio | |

**• During playback of the recorded tape in Hi-Fi mode:**

| Mode | AUDIO OUTPUT | | Display on the TV screen |
|---|---|---|---|
| Stereo | L | Hi Fi L Audio | STEREO |
| | R | Hi Fi R Audio | |
| L | L | Hi Fi L Audio | LEFT |
| | R | Hi Fi L Audio | |
| R | L | Hi Fi R Audio | RIGHT |
| | R | Hi Fi R Audio | |
| MONO | L | Normal Audio | NONE |
| | R | Normal Audio | |

**• During reception of bilingual broadcasts:**

| Mode | AUDIO OUTPUT | | Display on the TV screen |
|---|---|---|---|
| MAIN | L | Main Audio | MAIN |
| | R | Main Audio | |
| SUB | L | Sub Audio | SUB |
| | R | Sub Audio | |
| MAIN SUB | L | Main Audio | MAIN SUB |
| | R | Sub Audio | |

*Notes:*
*– If you play non-Hi-Fi tapes, the unit will play automatically in monaural regardless of the mode you select.*
*– If the stereo signal becomes weak, the broadcast is automatically recorded in monaural.*

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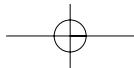
## Basic Playback  DVD-V  VCD  CD  MP3  Windows Media™ Audio  JPEG  DivX®

### Getting Started
Turn on the power of the TV, amplifier and any other components which are connected to the unit.
Make sure the TV and audio receiver (commercially available) are set to the correct channel.
1  Press ○.
2  Press DVD, then OPEN/CLOSE to open disc loading tray.
3  Place the chosen disc in the tray, with the label facing up.
4  Press PLAY ▶.
  • The tray will close automatically, and playback will then start from the first chapter or track of the disc. If the playback does not start automatically, press PLAY ▶.
  • When you playback the DVD which a title menu is recorded, it may appear on the screen. In this case, refer to "Title Menu".
5  Press STOP ■ to stop playback.

*Notes:*
  - *A "prohibited icon" may appear at the top-right on the TV screen during operation, warning that a prohibited operation has been encountered by the unit or the disc.*
  - *With DVDs that use some titles for playback programme signals, playback may start from the second title, or it may skip these titles.*
  - *During the playback of dual layered disc, pictures may stop for a moment. This happens when the 1st layer switches to the 2nd layer. This is not a malfunction.*
  - *DVDs recorded with the NTSC system can playback with this unit via a PAL system TV set.*
  - *Depending on the TV, when playing back a NTSC DVD on a PAL TV, the picture may roll up or down, shrink vertically and black bars may appear at the both top and bottom of the screen.*
  - *It may take a time to deliver the picture or the sound. This is not a malfunction.*
  - *A disc may not play properly if the disc's recorded area is less than 55mm across.*
  - *Unfinalized discs will not play on this unit.*
  - *Do not glue paper or put stickers on to the disc. These may damage the disc, and the unit may not read it correctly.*

### Cancelling and Calling Back PBC Function  VCD
When playing Video CDs with PBC function, some operations (e.g. search and repeat tracks) cannot be performed unless the PBC function is cancelled temporarily.
1  Insert a Video CD.
  • Title menu will appear on the display.
  • Playback will start automatically.
2  Press STOP ■.
3  Press the numerical key pads to enter the desired track number.
  • PBC function is now cancelled and the playback of the Video CD will start.
4  To call back PBC function, press STOP ■ twice, and then press PLAY ▶.

## General Features  DVD-V  VCD
DVD or Video CDs may contain menus to navigate the disc and access special features. Press the appropriate numerical key pads or use ▲ / ▼ / ◀ / ▶ to highlight your selection in the DVD main menu and press OK to confirm.
*Note:*
  - *Unless stated, all operations described are based on remote control use. Some operations can be carried out using the menu bar on the TV screen.*

## Pause  DVD-V  VCD  CD  MP3  Windows Media™ Audio  JPEG  DivX®
1  During playback, press PAUSE ❚❚.
  • Playback will pause and sound will be muted.
  • Pressing PAUSE ❚❚ once during Dual Playback will pause a JPEG playback only. Pressing PAUSE ❚❚ one more time will pause an MP3 playback.
2  To continue playback, press PLAY ▶.
*Note:*
  - *Set "STILL MODE" to "FIELD" in the Display menu if pictures in the pause mode are blurred. (Refer to "Display Setting".)*

## Disc Menus  DVD-V
1  Press DVD, then DISC/VCR MENU.
  • The DVD main menu will appear.
2  If the feature is not available, " ⊠ " symbol may appear on the TV screen.
3  If disc menu is available on the disc, audio language, subtitle options, chapters for the title and other options will appear for selection.
4  Press ▲ / ▼ / ◀ / ▶ to select an item, and OK to confirm selection.

## Title Menu  DVD-V
1  Press DVD, then TITLE.
  • The title menu will appear.
2  If the feature is not available, " ⊠ " symbol may appear on the TV screen.
3  Press ▲ / ▼ / ◀ / ▶ to select an item, and OK to confirm selection.
  • Playback will begin at the selected title.

  VCD
1  Insert a Video CD.
2  The title menu will appear.
3  Press numerical key pads to select the menu.
  • Playback will start.

## Calling Up a Menu During Playback  DVD-V
  • Press DISC/VCR MENU to call up the DVD main menu.
  • Press TITLE to call up the title menu.
*Note:*
  - *Contents of menus and corresponding menu operations may vary between discs. Refer to the manual accompanying the disc for details.*

## Step by Step Playback  DVD-V  VCD  DivX®
1  During playback, press PAUSE ❚❚.
  • Playback will pause and sound will be muted.
2  The disc goes forward by one frame each time PAUSE ❚❚ is pressed.
3  To exit step by step playback, press PLAY ▶.
*Note:*
  - *Set "STILL MODE" to "FIELD" in the DISPLAY menu if pictures during step by step playback are blurred. (Refer to "Display Setting".)*

## Resume  DVD-V  VCD  CD  MP3  Windows Media™ Audio  JPEG  DivX®
1  During playback, press STOP ■.
  • Resume message will appear on the TV screen.
2  Press PLAY ▶. Playback will resume from the point at which playback was stopped.
  • To cancel resume, press STOP ■ twice. For MP3, Windows Media™ Audio, JPEG and DivX® playback, file list will appear when you cancel Resume.
*Notes:*
  - *For MP3, JPEG and Windows Media™ Audio files, playback will resume from the beginning of the track at which playback was stopped.*
  - *If you turn off the unit, Resume function will be cancelled.*
  - *The resume information will be saved even when the power is turned off.*
  - *For some DivX® files, Resume may not function.*

## Fast Forward / Reverse Search
DVD-V  VCD  CD  MP3  Windows Media™ Audio  DivX®
1  During playback, press FFW ▶▶ or REW ◀◀ repeatedly to select the required forward or reverse speed.
  • For DVDs and Video CDs, fast forward or reverse search speed is different depending on the disc.
  • For DVDs, approximate speed is 1 (x2), 2 (x8), 3 (x20), 4 (x50) and 5 (x100).
  • For Video CDs, Audio CDs, MP3, Windows Media™ Audio or DivX® playback, approximate speed is 1 (x2), 2 (x8) and 3 (x30).
2  To return to normal playback, press PLAY ▶.
*Notes:*
  - *If you use FFW ▶▶ or REW ◀◀ during Dual Playback, JPEG playback will be paused.*
  - *On DVDs, set "STILL MODE" to "FIELD" in the DISPLAY menu if pictures during fast forward and reverse search are blurred. (Refer to page 18.)*
  - *Picture quality of DivX® files in fast reverse is lower than that in fast forward.*
  - *For some DivX® files, Fast Forward/Reverse Search may not function.*

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# Playing a Disc

## Slow Forward / Slow Reverse  DVD-V VCD DivX®

1 During playback, press PAUSE ❙❙.
2 Press FFW ▶▶ or REW ◀◀ .
   • Slow motion playback will begin and sound will be muted.
3 Press FFW ▶▶ or REW ◀◀ repeatedly to select the required speed.
   Slow forward or reverse speed varies with the disc.
   Approximate speed is 1 (1/16), 2 (1/8) and 3 (1/2).
4 To return to normal playback, press PLAY ▶.

   *Notes:*
   *- Slow Reverse is not available on Video CD and DivX® files.*
   *- Set "STILL MODE" to "FIELD" in the DISPLAY menu if pictures in the slow motion playback mode are blurred. (Refer to "Display Setting".)*

## x1.3 and x0.8 Rapid Play with Voice  DVD-V

Rapid Play with Voice is available only during playback on the discs recorded in the Dolby Digital format. Rapid Play with Voice plays back in slightly faster/slower speed while keeping the sound quality as in the normal playback.
1 During playback, press MODE. The current setting appears.
2 Press OK to switch among ♪♪ (x1.3), ♪ (x0.8) and OFF.
   ♪♪ : Plays back approximately at 1.3 times of normal playback.
   ♪ : Plays back approximately at 0.8 times of normal playback.
   OFF : No effects.
3 To resume normal playback, press PLAY ▶.
   *Notes:*
   *- During Rapid Play with Voice;*
      *• Audio Language Setting and Virtual Surround Setting cannot be changed.*
      *• Virtual Surround does not function.*
      *• The PCM sound will be output if using the digital audio connection (COAXIAL).*
      *• Depending on the scenes you are playing, Rapid Play with Voice may be unavailable.*

## Zoom  DVD-V VCD JPEG DivX®

The Zoom function allows you to enlarge the video image and to pan through the enlarged image.
1 Press ZOOM during playback.
   • Playback will continue.
2 Press ZOOM repeatedly to select the required zoom factor: x2, x4 or OFF.
3 Use ▲ / ▼ / ◀ / ▶ to move the zoomed picture across the screen.
4 To exit zoom mode, press ZOOM to select OFF.
   *Notes:*
   *- If you press OK, the zoom position window appears at the bottom-right on the TV screen. If you press it again, that (the zoom position) window disappears.*
   *- Zooming function does not work while disc menu is shown.*
   *- x4 zoom is not available on some discs.*
   *- Only x2 zoom is available on Video CDs, JPEG and DivX® files.*
   *- Position guide is not available for JPEG playback.*

## Track Search  VCD CD MP3 Windows Media™ Audio JPEG DivX®

There are three ways to begin the playback of a specific track.
**Using the Numerical key pads**
1 Press the numerical key pads to enter the desired Track number.
   • Playback will start at the selected track.
   • For single digit tracks (1-9), press a single number (e.g. to play track 3, press 3).
   • To play track 26, press +10, 2, 6. (Each number must be pressed within 30 seconds of the previous number.)
**Using SEARCH**
1 Press SEARCH.
   • The Track Search display appears.
2 Within 30 seconds, select a desired track number using the numerical key pads. For single or two digit track number, press 0 first.
   • Playback will start at the selected track.
**Using NEXT ▶❙ PREV ❙◀ buttons**
During playback, press NEXT ▶❙ to move to the next track. Press it repeatedly to skip subsequent tracks. Press PREV ❙◀ to go back to the beginning of the current track. Press it repeatedly to go back to the previous tracks.
   • Track number will appear briefly on the front panel display.
   • If NEXT ▶❙ is pressed while the playback is paused, the playback will be paused again after skipping to the next track.

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*Note:*
*- NEXT ▶❙ PREV ❙◀ are not available when playback is stopped.*
*- Using NEXT ▶❙ or PREV ❙◀ during Dual Playback will only affect MP3 files. If you want to skip JPEG files during Dual Playback, press ◀ or ▶. Please note that pressing NEXT ▶❙ or PREV ❙◀ will affect both MP3 and JPEG files if "SLIDE SHOW" is set to "MUSIC".*

## Title / Chapter Search  DVD-V

1 Press SEARCH once for the Chapter search, twice for the Title search during playback.
2 Enter the desired chapter/title number using numerical key pads.

   TT  _ _/29
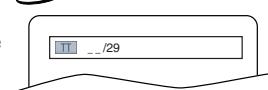
**Using the Numerical key pads**
1 During playback, press the numerical key pads to enter the desired chapter number.
   • Playback will start at the selected chapter.
   • For single digit chapters (1-9), press a single number (e.g. to play chapter 3, press 3).
   • To play chapter 26, press +10, 2, 6. (Each number must be pressed within 30 seconds of the previous number.)
   *Note:*
   *- Depending on the disc being played, using the numerical key pads cannot be performed.*

**Using NEXT ▶❙ PREV ❙◀ buttons**
During playback, press NEXT ▶❙ to go to the next chapter. Press it repeatedly to skip subsequent chapters. Press PREV ❙◀ to go back to the beginning of the current chapter. Press it repeatedly to go back to the previous chapter.

## Time Search  DVD-V VCD CD DivX®

1 During playback, press SEARCH repeatedly until the Time Search screen appears on the TV screen.
2 Within 30 seconds, enter a desired disc time using the numerical key pads.
   • Playback will start at the specified time.
   • For DVDs, enter a desired time of the current title.
   • For Video CDs, Audio CDs and DivX® files enter a desired time of the current track.
3 Press CLEAR to erase the incorrect input.
   *Notes:*
   *- "0" appears automatically when there is no need to enter a number. For example, "0:0_:_ _" appears automatically in the Time Search display if the total time of the disc is less than 10 minutes.*
   *- Time Search is not available on some discs or files.*

## Repeat

   • Repeat is available only during playback.
**Repeat Title / Chapter  DVD-V**
To activate the repeat function, press REPEAT during playback.
   • The repeat mode changes as described below every time you press the button.

   🔁 OFF ⟶ 🔁 CHAPTER ⟶ 🔁 TITLE
   (repeat off)  (current chapter repeat)  (current title repeat)

**Repeat Track / Group / All  VCD CD MP3 Windows Media™ Audio JPEG DivX®**

To activate the repeat function, press REPEAT during playback.
   • The repeat mode changes as described below every time you press the button.
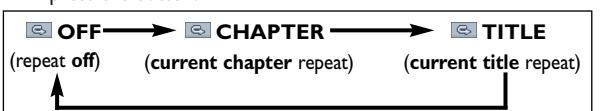
   🔁 OFF ⟶ 🔁 TRACK ⟶ 🔁 GROUP ⟶ 🔁 ALL
   (repeat off)  (current track repeat)  (entire group repeat)  (entire disc repeat)
   MP3, JPEG and Windows Media™ Audio only

   *Notes:*
   *- Repeat Title/Chapter is not available with some scenes.*
   *- The Repeat setting (except ALL) will be cleared when moving to other title, chapter, track, or group.*
   *- Repeat playback does not function during repeat A-B playback.*
   *- Repeat playback is not available when you play the Video CD with PBC function.*
   *- If you choose Group Repeat during Dual Playback, all Tracks or files in each Folder will play repeatedly.*

**Repeat A-B  DVD-V VCD CD DivX®**
1 Press REPEAT A-B at your chosen starting point.
   • 🔁 A- appears briefly on the TV screen.
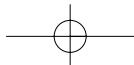
**2** Press REPEAT A-B again at your chosen end point.
   • 🔁 A-B appears briefly on the TV screen, and the repeat sequence begins.
**3** To exit the sequence, press REPEAT A-B.
   *Notes:*
   - *The repeat A-B section can only be set within the current title (for DVDs), or current track (for Video CDs, Audio CDs and discs with DivX® files).*
   - *Repeat A-B is not available with some scenes in DVD.*
   - *To cancel the A point which was set, press CLEAR.*
   - *Repeat A-B playback does not function during title, chapter, track or all repeat playback.*
   - *For some DivX® files, Repeat A-B may not function.*

## Programmed Playback    CD  MP3  Windows Media™ Audio  JPEG

You may determine the order in which tracks will be played.
**1** In stop mode, press MODE.
   • The PROGRAM screen will appear.
**2** Press ▲/▼ to select a track, then press OK.
   • Up to 99 tracks can be stored.
   • Press CLEAR to erase the most recently entered programme.
   • To erase all tracks in the programme at once, select "ALL CLEAR" at the bottom of the list and press OK.
   • When selecting an MP3, an Windows Media™ Audio or a JPEG file or folder, use Arrow as follows:
   Press ► to go to the next level.
   Press ◄ to go back to the previous level.
   • To check programmed tracks or files, PREV |◄, NEXT ►| to change the pages.
**3** Press PLAY ► to start the programmed playback.
   *Notes:*
   - *While a programme is being played back, STOP ■ works as follows:*
   *Press STOP ■, and then PLAY ► next, so that the programmed playback restarts.*
   *(CD playback restarts from the current position. MP3, Windows Media™ Audio or JPEG playback restarts from the beginning of the current track.)*
   *Press STOP ■ twice and PLAY ► next, so that playback restarts from the first track in the original order. However, your programmed playback can be restarted when you follow the above steps. (Your programme is still stored unless either the disc tray is open or the unit is turned off.)*
   - *To repeat the current track in the programme, press REPEAT repeatedly until " 🔁 TRACK" appears during playback.*
   - *To repeat the entire programme press REPEAT repeatedly until " 🔁 ALL" appears during playback.*
   - *Program playback of MP3, Windows Media™ Audio or JPEG files is not available while Dual Playback is ON.*

Example: Audio CD

## Random Playback    CD  MP3  Windows Media™ Audio  JPEG
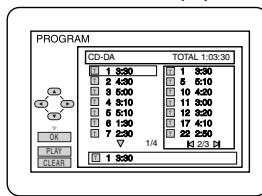
This shuffles the playing order of tracks instead of playback in the sequence.
**1** In stop mode, press MODE twice.
   • RANDOM screen appears.
**2** Press PLAY ► to start random playback.
   *Note:*
   - *If you like to repeat the current track in the random selection, press REPEAT repeatedly until " 🔁 TRACK" appears during playback. If you like to repeat the entire random selection press REPEAT repeatedly until " 🔁 ALL" appears during playback.*
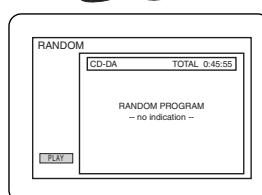
Example: Audio CD

- *Random playback of MP3, JPEG, or Windows Media™ Audio files is not available while Dual Playback is ON.*

## MP3/Windows Media™ Audio/JPEG/DivX® Playback    MP3  Windows Media™ Audio  JPEG  DivX®

Insert an MP3, an Windows Media™ Audio or a JPEG disc, then the FILE LIST will appear automatically. Or if the disc is already in the unit, press DISC/VCR MENU.
**1** In stop mode, press ▲ or ▼ to select the desired group, MP3, Windows Media™ Audio or JPEG file.
   • If a group is selected, press PLAY ► or OK to go on to the track selection screen. Press ▲/▼ to choose a track, then press PLAY ► or OK.
   • If a track is selected, press ► or OK to start playing from the track.
   • Press TITLE to return to the first item.
**2** Press STOP ■ to stop playback.
   *Notes:*
   - *Folders are known as groups; files are known as tracks.*
   - *The " 🗀 " symbol is shown on the top of the group name.*
   - *The " 🎵 " symbol is shown on the top of MP3 files.*
   - *The " 🎵 " symbol is shown on the top of Windows Media™ Audio files.*
   - *The " 🖼 " symbol is shown on the top of JPEG files.*
   - *The " 🖾 " symbol is shown on the top of DivX® files.*
   - *MP3, Windows Media™ Audio or JPEG files recorded on a DVD will not play on this unit.*
   - *The system can recognise up to 255 groups/ folders and up to 999 tracks/ files, and this applies even to the case where mixed MP3, Windows Media™ Audio and JPEG files are recorded.*
   - *Up to 8 hierarchies can be recognized.*
   - *If a JPEG file is selected, the image will be played back from the selected track and go to the next one in turn. A track is displayed for 5 seconds and then the next track is displayed.*
   *During JPEG playback, press ANGLE to rotate a picture 90 degrees clockwise.*
   - *Progressive JPEGs (JPEG files saved in the progressive format) will not play on this unit.*
   - *Copyright protected Windows Media™ Audio files will not play on this unit.*
   - *Although DivX® logo has been obtained for this player, it may not be able to play back some data, depending on the disc characteristics, bit rates, or audio format settings, etc.*
   - *Use the software recognised by DivX®, Inc. when you make DivX® files.*
   - *When using tools or utilities to make up DivX® files, read their instruction manual beforehand.*
   - *A DivX® file whose file size exceeds 2 GB cannot be played back.*
   - *If a large-sized DivX® file is selected, it may take a while to start the playback (over 20 seconds sometimes).*
   - *If DivX® files wrote on CD discs cannot be played back, rewrite them on a DVD disc and try to play back.*
   - *For more information for DivX®, please visit http://www.divx.com.*
   - *Constant bitrate of image between 500 kbps and 1,500 kbps is recommended if you make DivX® files on a CD-R/RW.*
   - *If you insert a CD-R/RW with DivX® files that are mixed with MP3 or JPEG files, the Playback Media Selection screen will be displayed. Please select "Video" and proceed to step 1).*

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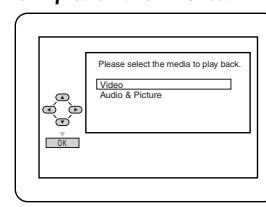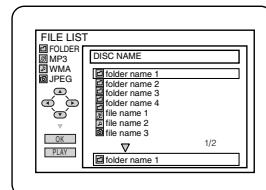
# Playing a Disc

- **Press TITLE to call up the Playback Media Selection screen in Stop mode.**
- **If you select "Audio & Picture", instead of "Video" on the Playback Media Selection screen, this unit can play back MP3/Windows Media™ Audio/JPEG files.**

**DivX® Subtitle**

The subtitle created by the user can be displayed during DivX® playback.

1) After select the DivX® file, the SUBTITLE LIST will appear when the "DivX SUBTITLE" setting is except "OFF". (Refer to page 18.)

2) Press ▲ or ▼ to select the desired extension you want to display, then press OK. DivX® with the subtitle starts playback. The subtitle cannot be displayed when the setting is "OFF".

```
┌─────────────────────────────┐
│      ┌──────────────┐       │
│      │ SUBTITLE LIST │       │
│      └──────────────┘       │
│  FILE :                     │
│       file name1            │
│      ┌──────┐               │
│      │ [OFF] │              │
│      └──────┘               │
│       [SMI]                 │
│       [SRT]                 │
│       [SUB]                 │
│              FILE LIST : MENU │
└─────────────────────────────┘
```

- If there is more than one extension, the extension selection appears in the SUBTITLE LIST.

*Notes:*
- *DivX® subtitle can only be displayed according to the same name with an extension of the DivX® file name.*
- *Files whose extension is other than ".SMI", ".smi", ".SRT", ".srt", ".SUB" and ".sub" will not be listed in the SUBTITLE LIST.*
- *This unit cannot be recognised if the DivX® file and its subtitle file are not in the one folder.*
- *The subtitle may not be displayed if the file size is too large.*
- *To change the subtitle, refer to "Subtitle Language" if multiple subtitles are available.*
- *The subtitle cannot display if the on-screen information is displayed.*
- *If "DivX SUBTITLE" is set to "OFF" in LANGUAGE menu, the SUBTITLE LIST will not be displayed even if you select a DivX® file with created subtitle. (Refer to page 18.)*
- *Unrecognisable characters will be replaced with asterisks.*

This unit recommends the files recorded under the following circumstances:

**[MP3]**
| | |
|---|---|
| • Sampling frequency | : 44.1 kHz or 48 kHz |
| • Constant Bit Rate | : 32 kbps ~ 320 kbps |

**[JPEG] Size of picture**
| | |
|---|---|
| • Upper limit | : 6,300 x 5,100 dots |
| • Lower limit | : 32 x 32 dots |

**[DivX®]**
- Official DivX Certified™ product
- Plays DivX®6.0, DivX®5, DivX®4, DivX®3 and DivX®VOD video content (in compliance with DivX Certified™ technical requirements)

| | |
|---|---|
| • Playable Codec of AVI files | : DivX®3.1.1, DivX®4.x, DivX®5.2.1, DivX®6.0 |
| • Maximum size of image | : 720 x 480 @30 fps 720 x 576 @25 fps |
| • Sampling frequency of audio | : 8 kHz - 48 kHz |
| • Audio type | : MPEG1 audio layer 3 (MP3), MPEG1 audio layer 2, Dolby Digital |
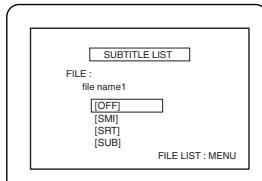
## Transition Mode for a Slide Show  *JPEG*

You can switch the transition mode for a slide show during playback.
1 Press MODE during playback.
   • The slide show mode screen will appear.
   • The slide show mode cannot be switched when it is stopped, or from the file list screen.
2 Press OK.
   • The slide show mode will change.
     "CUT IN/OUT": The entire image appears in one time.
     "FADE IN/OUT": The image appears gradually and then disappears.
3 Press MODE to exit.

## Dual Playback  *MP3* *JPEG*

1 Press DISC/VCR MENU during MP3/JPEG playback.
   • The file list will appear.
2 Press ▲/▼ to select a desired MP3 or JPEG file from the file list, and then press PLAY ▶ or OK.
   • Dual Playback will begin. Refer to page 19 on how to set the Dual Playback "ON" or "OFF".
3 Press STOP ■ to stop playback.

**Folder Playback**

This function is available only when Dual Playback is "ON".
You may select to play a folder.
1 In Stop mode, press MODE.
   • The folder list will appear.
2 Press ▲/▼ to select a folder, and then press PLAY ▶ or OK.
   • MP3 and JPEG files in the selected folder will play simultaneously.
3 Press MODE again to exit.
   *Notes:*
   - *When Dual Playback is on, pressing PLAY ▶ to close the disc tray will start the Dual Playback automatically if the disc contains both MP3 and JPEG files.*
   - *Zooming or rotating a JPEG file during Dual Playback may cause an intermittent sound.*
   - *You can not play Windows Media™ Audio and JPEG files together at the same time. If you choose a Windows Media™ Audio file during Dual Playback, only Windows Media™ Audio file will play.*
   - *Dual Playback may not function properly if MP3 and JPEG files on the disc interfere each other due to the difference in their data size.*

## Adjustment of Picture Size  *JPEG*

Depending on the TV connected to this unit, the overall picture cannot be displayed and the edge of the picture can be cut out. In this case, you can adjust the size of the JPEG playback image on screen.
1 During playback, press MODE repeatedly until the picture size appears.
   • The status bar will not be displayed while in the stop mode or from the file list.
2 Press ◀/▶ or OK to switch the size.
   NORMAL : to display the image at 100% of the picture size.
   SMALL   : to display the image at 95% of the picture size.
3 Press MODE to exit.
   *Notes:*
   - *The default setting is "NORMAL".*
   - *This feature may have no effect on some files (e.g. Files with a small picture size).*

## On-Screen Information

During playback press DISPLAY repeatedly to see the information of the disc currently in play. The information will be displayed in the following order.

*DVD-V*

1 Current chapter number/total chapters, the elapsed and remaining time of the chapter, and the playback status.
2 Current title number/total titles, the elapsed and remaining time of the title, and the playback status.
3 The BIT RATE and the repeat status, the layer number, and the playback status.
   • If you are playing a dual layered disc, the layer number will also be displayed ( L0: Layer 0 is playing. L1: Layer 1 is playing).

# Playing a Disc

**VCD CD**

**1** Current track number/total tracks, the elapsed and remaining time of the track, and the playback status.
**2** Current track number/total tracks, the elapsed and remaining time of the entire disc, and the repeat and the playback status.

**MP3  Windows Media™ Audio  JPEG  DivX®**

**1** The name of the file/track currently in play (MP3/Windows Media™ Audio/JPEG/DivX®), and the playback status.
**2** The name of the title currently in play, and the playback status (Windows Media™ Audio).
**3** The name of the artist currently in play, and the playback status (Windows Media™ Audio).
**4** Track number/total tracks, the elapsed time of the track (MP3/Windows Media™ Audio/DivX®), the repeat and the playback status (MP3/Windows Media™ Audio/JPEG/DivX®).
**5** Program/random/folder playback status (only during program, random, or folder playback).
   • Program and random playback status will appear only when Dual Playback is OFF.
   • Folder playback status will appear only when Dual Playback is ON.

---

**Hints for the On-Screen Display**
• ↻ C  - indicates chapter repeat.
• ↻ T  - indicates title / track repeat
• ↻ G  - indicates group (folder) repeat
• ↻ A  - indicates disc repeat
• A↻ B  - indicates A-B repeat

---

*Notes:*
*- For MP3 files recorded with Variable Bit Rate (VBR), the elapsed time displayed on the screen may vary from the actual elapsed time.*

## Audio Language   **DVD-V  DivX®**
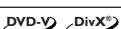
This unit allows you to select a language during DVD disc or DivX® files (if multi language available) playback.
**1** Press AUDIO during playback.
**2** Press AUDIO repeatedly to select your desired language.
   *Notes:*
   *- If your language is not shown after pressing AUDIO several times, the disc may not have that language. However, some discs allow you to change audio language or subtitle language setting in the disc menu. (Operation varies depending on the disc, so refer to the manual included in the disc.)*
   *- If you choose a Language that has a 3-letter language code, the code will be displayed every time you change the Audio language setting. If you choose any other languages, '---' will be displayed instead. (Refer to "Language Code List".)*
   *- Audio language selection cannot be made during Rapid Play with Voice. (Refer to page 14.)*
   *- For DivX® files, only MP3, MP2 or Dolby Digital audio will be displayed on the status bar. Other audio sounds will be displayed with "---".*

## Stereo Sound Mode   **VCD  CD**

**1** Press AUDIO repeatedly during playback to select between "STEREO", "L-ch" or "R-ch".
   STEREO - both right and left channels are active (stereo)
   L-ch - only left channel is active
   R-ch - only right channel is active

## Subtitle Language   **DVD-V  DivX®**
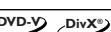
This unit allows you to select a language for subtitle during DVD disc or DivX® file (if available) playback.
**1** Press DVD, then SUBTITLE during playback.
**2** Press SUBTITLE repeatedly to select your desired subtitle language.
   • The selected language will be displayed on the status bar at the top of the screen. When no subtitles are available, "NOT AVAILABLE" appears on the status bar.
**3** To turn off subtitles, press SUBTITLE repeatedly until "OFF" appears.
   *Notes:*
   *- If your language is not shown after pressing SUBTITLE several times, the disc may not have that language. However, some discs allow you to change audio language or subtitle language setting in the disc menu. (Operation varies depending on the disc, so refer to the manual included in the disc.)*
   *- If you choose a Language that has a 3-letter language code, the code will be displayed every time you change the Subtitle language setting. If you choose any other languages, '---' will be displayed instead. (Refer to "Language Code List".)*
   *- For DivX® files, the number of subtitle languages will be displayed on the status bar.*

## Camera Angle   **DVD-V**

Some DVD discs contain scenes which have been shot simultaneously from various angles. You can change the camera angle when the mark (📹) appears on the screen.

If the "ANGLE ICON" setting is "OFF", the icon (📹) will not appear. (Refer to "Others".)
**1** Press DVD, then ANGLE during playback.
   • The selected angle will be displayed on the display bar at the top of the screen.
**2** Press ANGLE repeatedly to select your desired angle.

## Virtual Surround   **DVD-V  VCD  CD  MP3  Windows Media™ Audio**

You can enjoy stereophonic visual space on your existing stereo system.
**1** Press MODE during playback.
**2** Press ◄/► or OK to set it "1"(Natural effect), "2"(Emphasised effect) or "OFF".

   `[)) OFF`

**3** Press MODE or BACK ↩ to exit.
   *Notes (for Video CD and Audio CD play):*
   *- Virtual Surround will not be effective if the sound mode is set to something other than "STEREO".*
   *- This function cannot be used during x1.3 and x0.8 Rapid Play with Voice (refer to page 14).*

## Marker Setup Screen   **DVD-V  VCD  CD**

Use markers to memorise your favourite places on a disc.
**1** During playback, press SEARCH repeatedly until the Marker Setup screen appears on the TV screen.
**2** Press ◄/► to select 1, 2, 3, 4, 5, 6, 7, 8, 9 or 10 and ensure that "- - - - : - - : - -" appears in the display.
**3** When playback reaches the desired point, press OK.
   • The title or track and elapsed time will appear on the TV screen.
**4** To return to a marker later, press SEARCH repeatedly until the Marker Setup screen appears and ◄/► to choose the desired marker, then press OK.
**5** Press SEARCH or BACK ↩ to exit.
   *Notes:*
   *- Opening the disc tray, turning off the power or selecting "AC" at step 2 and press OK will erase all markers.*
   *- To clear a marker, using ◄/►, position the cursor on to the marker number to be cleared and press CLEAR.*
   *- You can mark up to 10 points.*

# DVD Setup

## Language Setting  DVD-V  DivX®

Language options are not available with some discs.
1  Press DVD SETUP in stop mode.
2  Press ▶ to select "CUSTOM", then press OK.
 • CUSTOM mode will appear.
3  Press ◀ or ▶ to select "LANGUAGE", then OK to confirm.
4  Press ▲/▼ to select the below items, then press OK.

**AUDIO :**                                              Example: DivX® SUBTITLE
Sets the audio language.
**SUBTITLE :**
Sets the subtitle language.
**DISC MENU :**
Sets the language for DVD Menu.
**DivX® SUBTITLE :**
 • Sets the DivX® subtitle language.
 • The default setting is "OFF".

5  Press ▲/▼ to select a setting, then press OK.
 • If "OTHER" is selected in the AUDIO, SUBTITLE or DISC
   MENU screen, press four-digit number to enter the code for
   the desired language.
   (Refer to "Language Code List".)
 • Only the languages supported by the disc can be selected.
6  Press DVD SETUP to exit.
 *Note:*
 – *Even if DVDs contain multiple audio or subtitle*
   *languages, language setting menu for "AUDIO" or*
   *"SUBTITLE" may not be available with some discs.*
   *Then, use AUDIO or SUBTITLE button.*
   *(Refer to "Audio Language", "Subtitle Language".)*
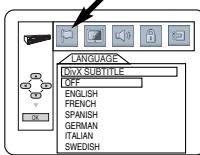
## Display Setting  DVD-V

You can change the display functions.
1  Press DVD SETUP in stop mode.
2  Press ◀/▶ to select "CUSTOM",
   then press OK.
 • CUSTOM mode screen will appear.
3  Press ◀/▶ to select "DISPLAY",
   then OK to confirm.
4  Press ▲/▼ to select the below items, then press OK.
5  Press DVD SETUP to exit.
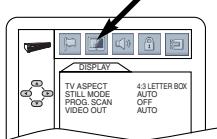
**TV ASPECT : QUICK**
4:3 LETTER BOX   : when viewing a 16:9 picture on a 4:3 aspect TV
                   screen, black bars appear on the top and
                   bottom of the screen.
4:3 PAN & SCAN   : when viewing a 16:9 on a 4:3 aspect TV screen,
                   a full height picture with both sides trimmed is
                   presented.
16:9 WIDE        : if a wide-screen TV is connected to this unit,
                   select this setting.
 • Press ▲/▼ to select a setting, then press OK.
 • The default setting is "4:3 LETTER BOX".
 *Note:*
 – *This unit does not set the TV aspect automatically.*
**STILL MODE :**
AUTO    : select it usually.
FIELD   : pictures in the Still mode will be stabilised although they
          will be coarse due to a little amount of data.
FRAME   : pictures in the Still mode will be highly defined although
          they will be blurred due to outputting two fields at the
          same time.
 • Press ▲/▼ to select an option, then press OK.
 • The default setting is "AUTO".
**PROGRESSIVE (PROG. SCAN) : QUICK**
ON:     : to turn on the PROGRESSIVE SCAN.
OFF     : to turn off the PROGRESSIVE SCAN.
 • Press OK repeatedly to turn Progressive "ON" or "OFF".
 • Choose "ON" if your TV has Progressive Scan and if the TV is
   connected to the COMPONENT VIDEO OUT jacks on this
   unit. Choose "OFF" otherwise.
 • The default setting is "OFF".
 *Notes:*
 – *If "PROG. SCAN" is "ON", the message screen to activate*
   *Progressive Scan appears. Press ▲/▼ to make a selection,*
   *then OK.*
 – *If you select "NO", the menu disappears and Progressive*
   *Scan is turned off.*

 – *If you select "YES", the confirmation message screen*
   *appears. Confirm your setting, then press OK. If you select*
   *"NO", the menu screen disappears and Progressive is*
   *"OFF". If you select "YES", the menu screen will disappear*
   *and Progressive will be "ON".*
 – *If you do not press any buttons for 15 seconds, Progressive*
   *Scan will switch to OFF.*

 • You can set Progressive to "OFF" either in the DISPLAY menu or
   pressing and holding the PLAY ▶ (DVD) button on the front of the
   unit for more than 5 seconds.

**VIDEO OUT :**
AUTO    : to change video out system (PAL/NTSC) automatically
          according to the format of an inserted disc.
PAL     : to view pictures of the discs recorded with PAL system.
 • Press OK repeatedly to select "PAL" or "AUTO".
 • The default setting is "AUTO".

## Audio Setting

Choose the appropriate Audio settings for playback.
1  Press DVD SETUP in stop mode.
2  Press ▶ to select "CUSTOM", then press OK.
   CUSTOM mode will appear.
3  Press ◀/▶ to select "AUDIO", then OK to confirm.
4  Press ▲/▼ to select the below items, then press OK.
**DRC (Dynamic Range Control) :**
To compress the range of sound
volume.
The default setting is "ON".
**DOWN SAMPLING :**
Set to "ON" to down sample the
96 kHz sound source to 48 kHz.
The default setting is "ON".
**When playing disc with copyright Protection**
 • If you select "OFF", copyright protection will be activated and
   sound will be down sampled at 48 kHz.
**DOLBY DIGITAL : QUICK**
Set to "BITSTREAM" when the unit is connected to Dolby
Digital Decoder.
BITSTREAM      : Output by Dolby Digital
PCM            : Convert the Dolby Digital to PCM
 • The default setting is "BITSTREAM".
**MPEG : QUICK**
Set to "BITSTREAM" when the unit is connected MPEG Decoder.
BITSTREAM      : Output by MPEG
PCM            : Convert the MPEG to PCM
 • The default setting is "PCM".
5  Press DVD SETUP to exit.
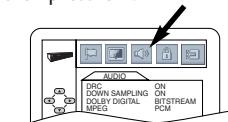
## Parental Control  DVD-V

Parental Control limits the DVD viewing that exceeds your
settings. The password is required to change the "PARENTAL
LEVEL".
This feature prevents your children from viewing inappropriate
materials.
1  Press DVD SETUP in stop mode.
2  Press ◀/▶ to select "CUSTOM", then press OK.
 • CUSTOM mode screen will appear.
3  Press ◀/▶ to select "PARENTAL",
   then press OK.
4  Press the numerical key pads to enter
   your 4-digit password.
 • When doing this for the first time,
   enter any 4-digit number by pressing the numerical key pads
   (except for 4737), then press OK. That number will be used
   as the password from the second time onward. Record your
   password in case you forget it.
 • If you forget the password, press 4, 7, 3, 7. The original
   password will be cleared and parental levels will be set to
   "ALL". Enter a new 4-digit password, then press OK.
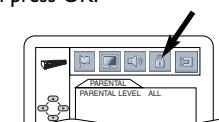
# DVD Setup

**5** Press ▲/▼ to select "PARENTAL LEVEL", then press OK.
**6** Press ▲/▼ to select the desired level, then press OK.
For details, see below.
**7** Press DVD SETUP to exit.

### PARENTAL LEVEL

ALL : Parental Control is inactive; all discs can play.
8 [ADULT] : DVD softwares of any grades (adult/general/children) can be played back.
7 [NC-17] : No one under 17 admitted
6 [R] : Restricted; under 17 requires accompanying parent or adult guardian
5 [PGR] : Parental Guidance Recommended
4 [PG13] : Unsuitable for children under 13
3 [PG] : Parental Guidance suggested
2 [G] : General Audience
1 [KID SAFE] : Suitable for children

*Note:*
*- This function may not work on some DVDs. Make sure if the parental lock function operates in the way you have set.*

### To Change the Password
**1** Follow the steps **1** to **4** above.
**2** Press ▲/▼ to select "PASSWORD CHANGE", then press OK.
**3** Enter a new 4-digit password, then press OK.
**4** Press DVD SETUP to exit.

## Others
You can change the other functions.
**1** In Stop mode, press DVD SETUP.
**2** Press ◄/► to select "CUSTOM", then press OK.
• CUSTOM mode screen will appear.
**3** Press ◄/► to select "OTHERS", then OK to confirm.
**4** Press ▲/▼ to select the below items, then press OK.
Select options following instructions below.
**5** Press DVD SETUP to exit.
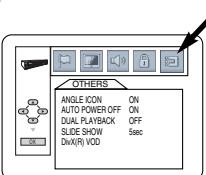
### ANGLE ICON :
ON : to show the angle icon when multiple camera angles are available during DVD playback.
OFF : to hide the angle icon.
• Press OK repeatedly to select "ON" or "OFF".
• The default setting is "ON".

### AUTO POWER OFF :
ON : to turn off the unit automatically after 30 minutes of no use.
OFF : to keep this unit on.
• Press OK repeatedly to select "ON" or "OFF".
• The default setting is "ON".

### DUAL PLAYBACK :
ON : to play MP3 and JPEG files simultaneously.
OFF : to play MP3 and JPEG files separately.
• Press OK repeatedly to select "ON" or "OFF".
• The default setting is "OFF".

### SLIDE SHOW :
• Press ▲/▼ to select "5sec", "10sec" or "MUSIC". Then, press OK.
5sec : to display each image for 5 seconds.
10sec : to display each image for 10 seconds.
MUSIC : to display an image for each MP3 sound file playback when Dual Playback is "ON".
• When "MUSIC" is selected, the playback speed of the Slide Show will be set to 5 seconds under the conditions listed below:
- When Dual Playback is "OFF".
- When Dual Playback is "ON", but only the JPEG files are playing.
• The default setting is "5sec".

### DivX(R) VOD :
• This unit allows you to use the DivX® Video-On-Demand (VOD) services. You can play back the files purchased or rental from the VOD services. You need to have a registration code to purchase or rental VOD files. Please visit www.divx.com/vod for more details.
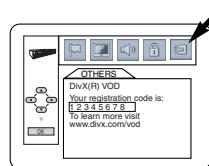
*Notes:*
*- You cannot play back the DivX® VOD files obtained with different registration codes on this player.*
*- You cannot play back the DivX® VOD files, of which rental period has been expired. In such case, press MENU and select other files that can be played back.*
*- Some DivX® VOD files are restricted with the limited playable times (you cannot play them back beyond the limit). If your DivX® VOD file has such limit, the playback confirmation screen will appear.*
*Press ◄ or ► to select "YES" if you want to play back the file, or to select "NO" if you do not wish to play it back. Then, press OK to confirm the selection.*
*- Please send your inquiries regarding the VOD files to DivX®, Inc.*

### To Reset All the Settings of the SET UP screen
**1** Press DVD SETUP in stop mode.
**2** Press ◄/► to select "INIT.", then press OK.
**3** Press ▲/▼ to select "YES", then OK twice. All the settings (except for "PARENTAL") will be cleared.
• To cancel the initialisation, select "NO".
**4** Press DVD SETUP to exit.

# Information

## Maintenance
**Cleaning the Cabinet**
• Use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasives.
**Cleaning Discs**
• When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the centre out. Do not wipe in a circular motion.
• Do not use solvents such as benzine, thinner, commercially available cleaners, or antistatic spray intended for analogue records.
**Cleaning the disc lens**
• After prolonged use, dirt or dust may accumulate at the disc lens. To ensure good playback quality, clean the disc lens with Philips CD Lens Cleaner or any commercially available cleaner. Follow the instructions supplied with the cleaner.
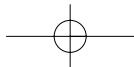
# Information

## Language Code List

| Language | Code | Language | Code | Language | Code | Language | Code |
|---|---|---|---|---|---|---|---|
| **A-B** | | French [FRE] | 5264 | Macedonian | 5957 | Siswat | 6565 |
| Abkhazian | 4748 | Frisian | 5271 | Malagasy | 5953 | Slovak | 6557 |
| Afar | 4747 | Galician | 5358 | Malay | 5965 | Slovenian | 6558 |
| Afrikaans | 4752 | Georgian | 5747 | Malayalam | 5958 | Somali | 6561 |
| Albanian | 6563 | German [GER] | 5051 | Maltese | 5966 | Spanish [SPA] | 5165 |
| Amharic | 4759 | Greek [GRE] | 5158 | Maori | 5955 | Sundanese | 6567 |
| Arabic | 4764 | Greenlandic | 5758 | Marathi | 5964 | Swahili | 6569 |
| Armenian | 5471 | Guarani | 5360 | Moldavian | 5961 | Swedish [SWE] | 6568 |
| Assamese | 4765 | Gujarati | 5367 | Mongolian | 5960 | **T** | |
| Aymara | 4771 | Hausa | 5447 | Nauru | 6047 | Tagalog | 6658 |
| Azerbaijani | 4772 | Hebrew | 5569 | Nepali | 6051 | Tajik | 6653 |
| Bashkir | 4847 | Hindi | 5455 | Norwegian [NOR] | 6061 | Tamil | 6647 |
| Basque | 5167 | Hungarian [HUN] | 5467 | **O-R** | | Tatar | 6666 |
| Bengali;Bangla | 4860 | **I-K** | | Occitan | 6149 | Telugu | 6651 |
| Bhutani | 5072 | Icelandic [ICE] | 5565 | Oriya | 6164 | Thai | 6654 |
| Bihari | 4854 | Indonesian | 5560 | Oromo(Afan) | 6159 | Tibetan | 4861 |
| Bislama | 4855 | Interlingua | 5547 | Panjabi | 6247 | Tigrinya | 6655 |
| Breton | 4864 | Interlingue | 5551 | Pashto;Pushto | 6265 | Tonga | 6661 |
| Bulgarian | 4853 | Inupiak | 5557 | Persian | 5247 | Tsonga | 6665 |
| Burmese | 5971 | Irish [IRI] | 5347 | Polish [POL] | 6258 | Turkish [TUR] | 6664 |
| Byelorussian | 4851 | Italian [ITA] | 5566 | Portuguese [POR] | 6266 | Turkmen | 6657 |
| **C-E** | | Japanese [JPN] | 5647 | Quechua | 6367 | Twi | 6669 |
| Cambodian | 5759 | Javanese | 5669 | Rhaeto-Romance | 6459 | **U-Z** | |
| Catalan | 4947 | Kannada | 5760 | Romanian [RUM] | 6461 | Ukrainian | 6757 |
| Chinese [CHI] | 7254 | Kashmiri | 5765 | Russian [RUS] | 6467 | Urdu | 6764 |
| Corsican | 4961 | Kazakh | 5757 | **S** | | Uzbek | 6772 |
| Croatian | 5464 | Kinyarwanda | 6469 | Samoan | 6559 | Vietnamese | 6855 |
| Czech [CZE] | 4965 | Kirghiz | 5771 | Sangho | 6553 | Volapuk | 6861 |
| Danish [DAN] | 5047 | Kirundi | 6460 | Sanskrit | 6547 | Welsh | 4971 |
| Dutch [DUT] | 6058 | Korean [KOR] | 5761 | Scots Gaelic | 5350 | Wolof | 6961 |
| English [ENG] | 5160 | Kurdish | 5767 | Serbian | 6564 | Xhosa | 7054 |
| Esperanto | 5161 | **L-N** | | Serbo-Croatian | 6554 | Yiddish | 5655 |
| Estonian | 5166 | Laothian | 5861 | Sesotho | 6566 | Yoruba | 7161 |
| **F-H** | | Latin | 5847 | Setswana | 6660 | Zulu | 7267 |
| Faroese | 5261 | Latvian;Lettish | 5868 | Shona | 6560 | | |
| Fiji | 5256 | Lingala | 5860 | Sindhi | 6550 | | |
| Finnish [FIN] | 5255 | Lithuanian | 5866 | Singhalese | 6555 | | |

## Playable Discs

| DVD | DVD+R | DVD+RW | Video CD | Audio CD | CD-R | CD-RW | MP3 files | DivX® files |
|---|---|---|---|---|---|---|---|---|

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• Official DivX Certified™ product; Plays DivX® 6.0, DivX® 5, DivX® 4, DivX® 3, and DivX® VOD video content (in compliance with DivX Certified™ technical requirements).

• Discs containing the DivX® files with the DivX® GMC (Global Motion Compensation) playback feature, which is DivX® supplemental function, cannot be played back on this unit.

## Unplayable Discs

If you insert an unacceptable type of disc, a Disc Error message may appear on the TV screen. The following Discs will not play on this DVD player.

• CD-ROM
• Video Single Disc (VSD)
• Unfinalized Disc
• Compact Disc-Interactive (CD-i)
• DVD-R or DVD-RW discs recorded in VR format or non-compatible recording mode

• DVD-ROM
• DVD contains MP3, Windows Media™ Audio or JPEG Files
• DVD-RAM
• DVD-Audio

On the following disc, the sound may not be heard.

• Super Audio CD - Only the sound on the CD layer can be heard. The sound on the high-density Super Audio CD layer cannot be heard.

20
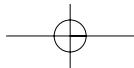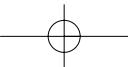
# Information

## Troubleshooting

| Problem | Solution |
|---|---|
| **No power** | – Check if the AC power cord is properly connected. |
| **No picture** | – Check if the TV is switched on.<br>– Check the video connection. |
| **Distorted picture** | – Sometimes a small amount of picture distortion may appear. This is not a malfunction. |
| **Completely distorted picture or black/white picture with DVD** | – Connect the unit directly to the TV.<br>– Make sure the disc is compatible with the unit. |
| **No sound or distorted sound** | – Adjust the volume.<br>– Check that the speakers are connected correctly. |
| **No audio at digital output** | – Check the digital connections.<br>– Check if the audio format of the selected audio language matches your receiver capabilities. |
| **No sound and picture** | – Check that the RF or AV cables are connected to the correct device. (Refer to "Connecting to a TV".) |
| **Picture freezes momentarily during playback** | – Check the disc for fingerprints/scratches and clean with a soft cloth wiping from centre edge.<br>– This may happen when you use the disc recorded in the non-seamless manner. This is not a malfunction. |
| **Disc cannot be played** | – Ensure the disc label is facing up.<br>– Check if the disc is defective by trying another disc. |
| **No return to start-up screen when disc is removed** | – Reset the unit by switching the unit off, then on again. |
| **The unit does not respond to the remote control** | – Aim the remote control directly at the sensor on the front of the unit.<br>– Reduce the distance to the unit.<br>– Replace the batteries in the remote control.<br>– Re-insert the batteries with their polarities (+/– signs) as indicated. |
| **Buttons do not work or the unit stops responding** | – To completely reset the unit, unplug the AC cord from the AC outlet for 5-10 seconds. |
| **The unit does not respond to some operating commands during playback** | – Operations may not be permitted by the disc. Refer to the instructions of the disc. |
| **The unit cannot read CDs/DVDs** | – Use a commonly available cleaning CD/DVD to clean the lens before sending the unit for repair. |
| **The unit switches from DVD mode to VCR mode after 30 minutes of no activity.** | – When Auto Power OFF is set to ON, the unit switches itself from DVD mode to VCR mode if disc playback stops for more than 30 minutes and you press no buttons on the remote or the unit. |
| **The VCR do not record a TV program** | – Make sure the tape has a record tab.<br>– Make sure the unit is in VCR position.<br>– Check the TV and the unit's channel are similar. |
| **The unit do not perform a timer** | – Make sure the recording start and stop times are set correctly.<br>– Make sure the tape has a record tab.<br>– Make sure the clock is set.<br>– The unit may not perform or continue a timer recording if the power fails for more than 1 minute. |
| **The motor (cylinder) rotates even when tape playback is stopped** | – To enable quick play mechanism, the cylinder will rotate for about five minutes. This is not a malfunction. |
| **You cannot insert a tape** | – Insert a tape, window side up with the record tab facing you.<br>– Gently push on the center of the tape when putting into the unit. |
| **You cannot remove a tape** | – Make sure the power plug is completely connected to a power outlet. |
| **The unit ejects the tape when you press REC ● or TIMER SET for a timer recording.** | – Make sure the tape has a record tab. |

> **If you are unable to remedy a problem by following these hints, consult your dealer or service centre (HOTLINE).**

## Specifications *Specifications subject to change without prior notice*

**PLAYBACK SYSTEM**

DVD Video, DVD+R/RW, DVD-R/RW,
Video CD, Audio CD, CD-R/RW

**TV STANDARD (PAL/50Hz) (NTSC/60Hz)**

| | | |
|---|---|---|
| Number of lines | 625 | 525 |
| Playback | Multistandard | (PAL/NTSC) |

**VIDEO PERFORMANCE**

| | |
|---|---|
| Video output | 1 Vpp into 75 ohm |
| RGB output | 0.7 Vpp into 75 ohm |
| Video Shift | Left/Right |

**VIDEO CASSETTE RECORDER**

| | |
|---|---|
| Audio/Video heads | 6 heads Hi-Fi |
| Antenna | VHF/UHF - 75 ohm |
| VHF output | 75 ohm unbalanced |

**AUDIO FORMAT**

| | | |
|---|---|---|
| Digital | MPEG | Compressed Digital |
| | Dolby Digital | 16, 20, 24 bits |
| | PCM | fs, 44.1, 48, 96 kHz |

Analogue Stereo Sound
Dolby Surround-compatible downmix from Dolby Digital multi-channel sound
3D Sound for virtual multi channel sound on 2 speakers

**AUDIO PERFORMANCE**

| | | |
|---|---|---|
| DA Converter | 24 bits | |
| DVD | fs 96 kHz | 20 Hz - 44 kHz |
| | fs 48 kHz | 20 Hz - 22 kHz |
| CD | fs 44.1 kHz | 20 Hz - 20 kHz |
| Signal-Noise (1 kHz) | 70 dB | |
| Dynamic Range (1 kHz) | 90 dB | |
| Distortion and Noise (1 kHz) | 0.02% | |

**CONNECTIONS**

Front panel:

| | |
|---|---|
| Video input | RCA connector x 1 |
| Audio input | RCA connector x 2 |

Rear panel:

| | |
|---|---|
| Audio/Video output/input | RCA connector x 6 |
| S-Video output | Mini DIN 4-pin Jack (75 ohm) Analog audio output (DVD) |
| Analogue audio output (DVD) | RCA connector x 2 (one left channel, one right channel) 2 Vrms (47 kilo-ohm) |

| | |
|---|---|
| Coaxial digital audio output | One pin Jack, 500mVpp (75 ohm) |
| Component output | Y output level: 1 Vp-p (75 Ω/ohms)<br>$P_B/C_B$ output level: 0.7 Vp-p (75 Ω/ohms)<br>$P_R/C_R$ output level: 0.7 Vp-p (75 Ω/ohms)<br>Output connector: Pin Jack, 1 set |

**CABINET**

| | |
|---|---|
| Dimensions (w x h x d) | 435 x 94 x 233 mm |
| Weight | Approximately 3.1 kg |

**POWER SUPPLY (UNIVERSAL)**

| | |
|---|---|
| Power inlet | 230 ~ 240 V, 50 Hz |
| Power usage | 21 W |
| Power usage standby | 9.2 W (standby : 5.0 W) (When Clock Display set to OFF.) |

# AUSTRALIA - Philips 3 years Manufacturers Warranty for Australia only

**These warranty conditions are valid for the following consumer electronics products: Colour Televisions, Video Cassette Recorders, CD Players and Recorders, DVD Players and Recorders, Audio Systems and Portable Audio.**

**The benefits given to the purchaser by this warranty are in addition to all other rights and remedies which the purchaser has in respect of the product under the Trade Practices Act or other Commonwealth or State Law.**

Philips Consumer Electronics warrants its products to the purchaser as follows and subject to the stated conditions.

3 YEARS **free Repair Service**
Colour Televisions, CD Players and Recorders, DVD Players and Recorders and Audio Systems.

3 YEARS **free Replacement – at your Retailer**
All Portable Audio products and all Video Cassette recorders (VCR's) only.

**Conditions of Repair Warranty**

1. All claims for warranty service should be made to your nearest Philips Authorised Service Centre. Reasonable evidence of date of purchase must be provided.

2. This warranty extends only to defects in material or workmanship occurring under normal use of the product when operated in accordance with the instructions.

3. This warranty applies for original purchase only. It is not transferable if sold.

4. Home service within the normal service area of one of our Authorised Service Centres will only be provided for television receivers with screen size 48 cm and above. All other products are to be taken or sent to the workshop of your nearest Authorised Service Centre (at Consumer's expense).

5. This Manufacturers Warranty is limited to 3 months for above listed Consumer Electronics products if used in commercial applications.

6. Philips may, at its discretion choose to replace rather than repair any product covered by this warranty.

7. This Manufacturers Warranty is neither transferable nor valid in countries other than Australia.

**This warranty does not cover:**
a) Mileage or travelling time, pickup or delivery, installations and cost of insurance.

b) Mileage or travel outside the normal service area covered by selected Authorised Service Centre.

c) Service costs arising from failure to correctly adjust the controls of the product or to observe the instructions, or inspections that reveal that the product is in normal working order.

d) Product failures caused by misuse, neglect, accidental breakage, transit damage, inexpert repairs or modification by un-authorised persons, external fires, lightning strikes, floods, vermin infestation or liquid spillage.

e) Cleaning of video or audio heads.

f) Inadequate receiving antennae.

g) Replacement of worn or used batteries or other consumables.

h) Consumer products used in commercial applications (This warranty is limited to 3 months only).

i) Second hand products.

The conditions contained in this warranty card replace and override the provision of the Philips World-Wide Guarantee for products purchased in Australia and used in Australia.

**Philips Authorised Service Centres**
Service is provided through 200 accredited Authorised Service Centres throughout Australia. For direct contact with your nearest recommended Authorised Service Centre in major cities:

| | |
|---|---|
| **Adelaide** | **Launceston** |
| **Brisbane** | **Melbourne** |
| **Canberra** | **Newcastle** |
| **Geelong** | **Perth** |
| **Gold Coast** | **Sydney** |
| **Hobart** | **Wollongong** |

or to find the location of your nearest recommended Authorised Service Centre outside the above cities please call our National Service telephone number:

**1300 361 392**

Please record the following information for your records and keep in a safe place.

Model number:....................................................

Serial number:....................................................

Date of purchase:....................................................

Retailer:....................................................

*We recommend you retain your purchase receipt to assist in any warranty claim.*

Philips Consumer Electronics
a division of Philips Electronics Australia Limited
ABN 24 008 445 743,
Level 2, 65 Epping Road NORTH RYDE NSW 2113

3 year Warranty valid for all new products purchased after 1st July 2002
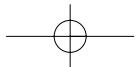
# New Zealand - Guarantee and Service for New Zealand

Thank-you for purchasing this quality Philips product.

Philips New Zealand Ltd guarantees this product against defective components and faulty workmanship for a period of 12 months. Any defect in materials or workmanship occurring within 12 months from the date of purchase subject to the following conditions will be rectified free of charge by the retailer from whom this product was purchased.

### Conditions

1. The product must have been purchased in New Zealand. As proof of purchase, retain the original sales docket indicating the date of purchase.

2. The guarantee applies only to faults caused by defective components, or faulty workmanship on the part of the manufacturer.

3. The guarantee does not cover failures caused by misuse, neglect, normal wear and tear, accidental breakage, use on the incorrect voltage, use contrary to operating instructions, or unauthorised modification to the product or repair by an unauthorised technician.

4. Reasonable evidence (in the form of a sales docket) must be supplied to indicate that the product was purchased no more than 12 months prior to the date of your claim.

5. In the event of a failure, Philips shall be under no liability for any injury, or any loss or damage caused to property or products other than the product under guarantee.

This guarantee does not prejudice your rights under common law and statute, and is in addition to the normal responsibilities of the retailer and Philips.

### How to claim

Should your Philips product fail within the guarantee period, please return it to the retailer from whom it was purchased. In most cases the retailer will be able to satisfactorily repair or replace the product.

However, should the retailer not be able to conclude the matter satisfactorily, or if you have other difficulties claiming under this guarantee, please contact

**The Guarantee Controller**
**Philips New Zealand Ltd.**
**P.O. Box 41.021**
**Auckland**
**☎ (09) 84 94 160**
**fax ☎ (09) 84 97 858**
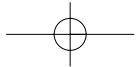
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http://www.philips.com/support

Be responsible
Respect copyrights

DVP3200V

**CLASS 1
LASER PRODUCT**

8239 300 47571